

JVC

SERVICE MANUAL

LCD FLAT TELEVISION

LT-40X776/s

BASIC CHASSIS

FL2



I'Art™
PALETTE

D.I.S.T.
Digital Image Scaling Technology

BBE

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

i **HDTV**

DCR **DOLBY**
DIGITAL

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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		100.0 cm × 73.4 cm × 32.5 cm (39-3/8" × 29" × 12-7/8") [Included stand] 70.3 cm × 48.3 cm × 11.5 cm (39-3/8" × 26-1/2" × 4-1/4") [TV only]
Mass		31.5 kg (69.3 lbs) [Included stand] 24.8 kg (54.3 lbs) [TV only]
Power Input		AC120 V , 60 Hz
Power Consumption		226 W (Max)
TV RF System (Analog / Digital)	Analog Digital	CCIR (M) ATSC terrestrial / Digital cable
Color System (Analog)		NTSC
Stereo System (Analog)		BTSC (Multi Channel Sound)
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency (Analog)	VHF Low VHF High UHF CATV	02 ch - 06 ch : 54 MHz - 88 MHz 07 ch - 13 ch : 174 MHz - 216 MHz 14 ch - 69 ch : 470 MHz - 806 MHz 54 MHz - 804 MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99
TV / CATV Total Channel		191 Channels
Intermediate Frequency (Analog)	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5 MHz)
Color Sub Carrier Frequency (Analog)		3.58 MHz
LCD panel		40V-inch wide aspect (16:9)
Screen Size		Diagonal : 101.8 cm (H:88.5 cm × V : 49.7 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10 W + 10 W
Speaker		6.6 cm, round type × 4
Antenna terminal (VHF/UHF)		F-type connector, 75 Ω unbalanced, coaxial
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1] 1125i / 750p 525p / 525i S-Video [INPUT-1/2] Video Audio	RCA pin jack × 3 Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 2 Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω C : 0.286V (p-p) (Burst signal), 75 Ω 1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 500 mV (rms), High impedance, RCA pin jack × 6
Digital input	Video Audio	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal) Digital: HDMI connector × 1 Analog: 500 mV(rms) (-4 dBs), high impedance, RCA pin jack × 2
Monitor / Recording Output	S-Video Video Audio	Mini-DIN 4pin × 1 Y : 1 V (p-p), 75 Ω C : 0.286 V(p-p) (burst signal), 75 Ω 1 V (p-p), 75 Ω, RCA pin jack × 1 250 mV(rms) (-10 dBs), Fs-18 dB low impedance, RCA pin jack × 2
Audio output		500 mV (rms), Low impedance, RCA pin jack × 2
iLink Input/Output		TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible
Digital Audio Optical Output		Digital SPDIF × 1
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C14G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

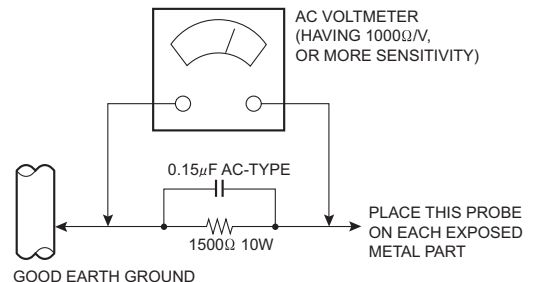
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

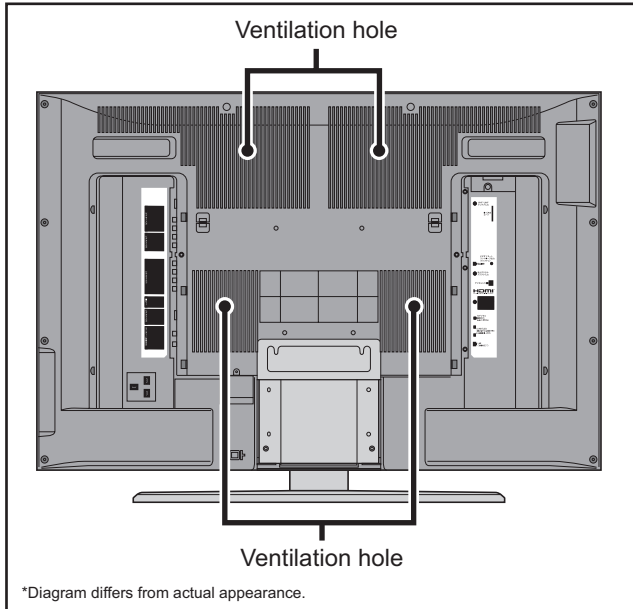
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

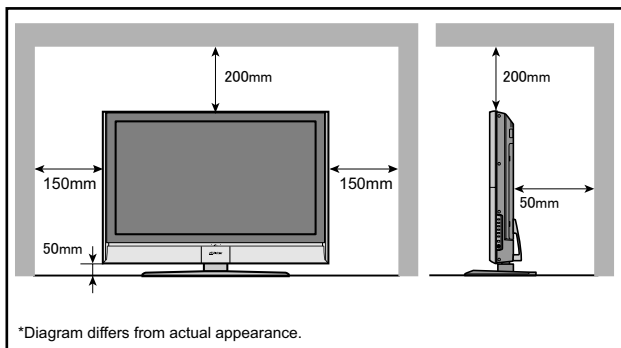
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.2.2 INSTALLATION REQUIREMENTS

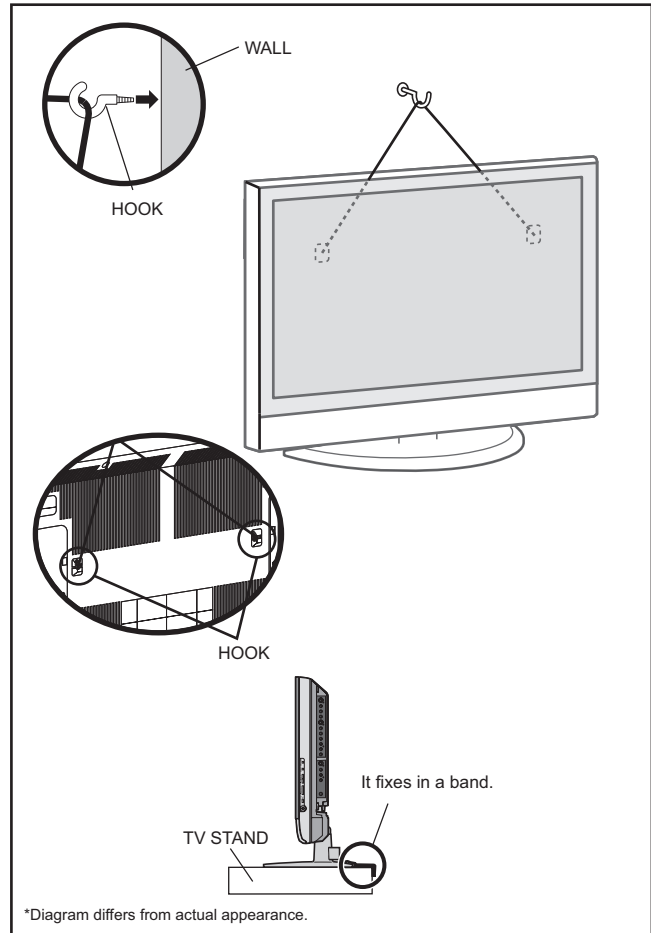
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Tie commercially available tough cord(s) to the hooks in the back of the TV, and fix the TV to solid walls or columns.



1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

- (1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.
- (2) **ATTACH PROTECTION SHEET TO THE FRONT**
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.
- (3) **AVOID VIBRATIONS AND IMPACTS**
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.
- (4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

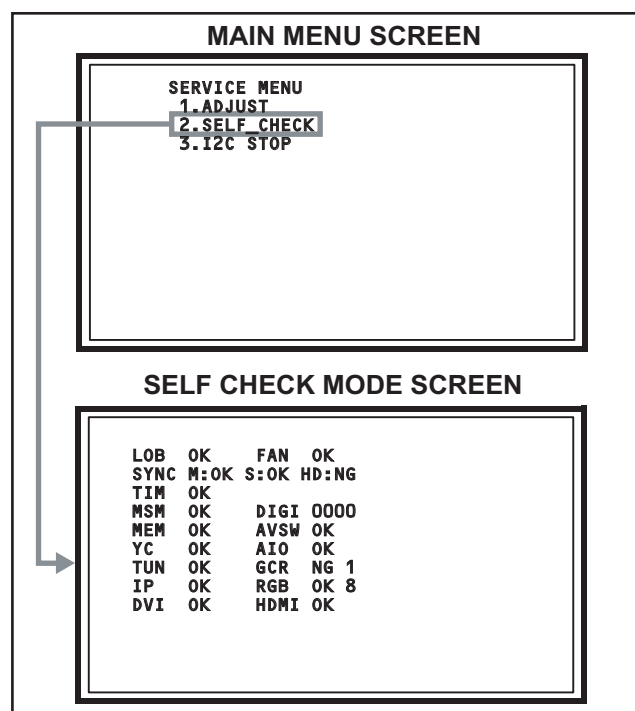
SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTING

Be sure to carry out the following operation at the end of the procedure.

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
- (3) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



2.2 FEATURES

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND

Decreases high sound levels, giving a regulated sound level.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

DIGITAL INPUT

Digital-in will display when any picture signal (480i/ 480p, 720p/ 1080i) in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

BBE

High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

A.H.S.

Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

2.3 TECHNICAL INFORMATION

2.3.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions (W × H × D)	952 mm × 551 mm × 51 mm
Weight	10.5 kg
Effective screen size	Diagonal: 1018 mm (H: 885 mm × V : 497 mm) / 40 V
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT, active matrix system
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA> / 3147264 dots in total
Pixel pitch (pixel size)	H: 0.648mm, V: 0.216mm
Displayed color	16777216 colors / 256 colors for R, G, and B
Brightness	500 cd/m ²
Contrast ratio	800 : 1
Response time	8 ms
View angle	Horizontally: 170°, Vertically: 170°
Surface polarizer	Anti-Glare type, Low reflective coat
Color filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp × 20
Power supply voltage in LCD	6.5 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.3.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

(1) BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

(2) DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

(3) FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.3.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock oscillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYN	I	V. sync for OSD
15	Xin	I	System clock oscillation (crystal) : 16MHz	65	NC	O	Not used
16	Vccl	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	NC	O	Not used
22	OUT2	O	YM (transparence) for OSD	72	NC	O	Not used
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used : Digital tuner control	77	NC	O	Not used
28	CLK2	O	Not used : Digital tuner control	78	NC	O	Not used
29	RxD2	I	Not used : Digital tuner control	79	NC	O	Not used
30	TxD2	O	Not used : Digital tuner control	80	NC	O	Not used
31	SDA2	I/O	Not used	81	NC	O	Not used
32	DIGR1	O	R [1] for OSD	82	NC	O	Not used
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Card detection for ATSC digital tuner
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	NC	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	NC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

2.3.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEP-ROM (IC7002)
8	ILA0	O	LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEP-ROM (IC7002)
9	ILA1	O	LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGI_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillation	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillation	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock osillation (crystal) : 16MHz	73	SBD5	I/O	Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock osillation (crystal) : 16MHz	74	SBT5	I	Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	No use : System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset =]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3

DISASSEMBLY

3.1 CAUTION AT DISASSEMBLY

- **Be sure to perform the SYSTEM SETTING at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.2 DISASSEMBLY PROCEDURE

3.2.1 REMOVING THE STAND (Fig.1)

- (1) Remove the 1 screw [A], then remove the STAND COVER.
- (2) Remove the 4 screws [B], then remove the STAND.

3.2.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.
 - (1) Remove the JACK COVER (L/R).
 - (2) Remove the 10 screws [C], the 3 screws [D], and the 2 screws [E].
 - (3) Remove the REAR COVER.

3.2.3 REMOVING THE REGULATOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 4 screws [F], then remove the FAN BRACKET.
 - (2) Remove the 1 screw [G], then remove the POWER CORD HOLDER.
 - (3) Remove the POWER CORD from the POWER PWB.
 - (4) Remove the REGULATOR PWB.

3.2.4 REMOVING THE MAIN POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
 - (1) Remove the 4 screw [H], then remove the MAIN POWER PWB.

3.2.5 REMOVING THE ANALOG SYGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
 - (1) Remove the 6 screws [J], then remove the TERMINAL BASE.
 - (2) Remove the 5 screws [K], then remove the ANALOG SIGNAL PWB.

3.2.6 REMOVING THE FRONT CONTROL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 3 screws [L], then remove the CONTROL ASSY with the FRONT CONTROL PWB.
 - (2) Remove the FRONT CONTROL PWB.

3.2.7 REMOVING THE RECEIVER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 3 screws [M] and the 1 screw [N], then remove the TUNER BASE.
 - (2) Remove the 2 screws [P] and the 2 screws [Q], then remove the TOP SHIELD CASE.
 - (3) Remove the 2 screws [R], then remove the RECEIVER PWB.

3.2.8 REMOVING THE CONNECTOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TOP SHIELD CASE.
 - (1) Remove the 4 screws [S], then remove the RECEIVER PWB BRACKET.
 - (2) Remove the 1 screw [T], then remove the CONNECTOR PWB.

3.2.9 REMOVING THE COOLING FAN (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TOP SHIELD CASE.
 - (1) Remove the 5 screws [U] and the 3 screws [V], then remove the SHIELD COVER with COOLING FAN.
 - (2) Remove the 2 ribets [W], then the remove the COOLING FAN.

3.2.10 REMOVING THE ATSC TUNER MODULE PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TUNER BASE.
- Remove the TOP SHIELD CASE.
- Remove the SHIELD COVER.
 - (1) Remove the 5 screws [X], then remove the DIGITAL TUNER UNIT.

3.2.11 REMOVING THE DIGITAL SIGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TUNER BASE.
- Remove the TOP SHIELD CASE.
- Remove the SHIELD COVER.
- Remove the ATSC TUNER MODULE PWB.
 - (1) Remove the 3 screws [Y], then remove the DIGITAL BRACKET.
 - (2) Remove the DIGITAL SIGNALPWB.

3.2.12 REMOVING THE SD CARD PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 2 screws [Z], then remove the SD CARD PWB.

3.2.13 REMOVING THE SUB POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
 - (1) Remove the 2 screws [A'], then remove the SUB POWER PWB BRACKET with SUB POWER PWB.
 - (2) Remove the 3 screws [B'], then remove the SUB POWER PWB.

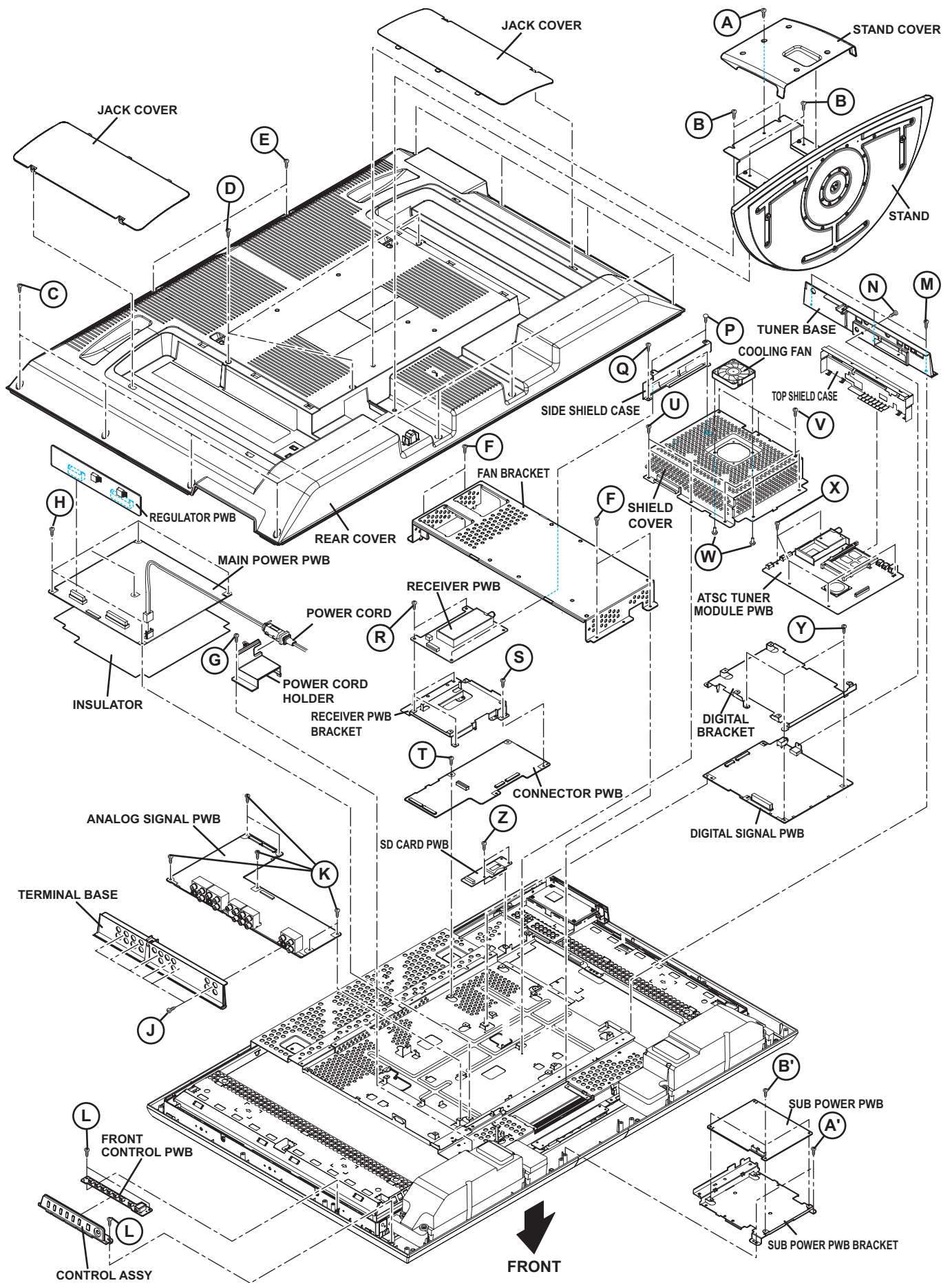


Fig.1

3.2.14 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 6 screws **[A]**, then remove the SPEAKER (L /R).

NOTE:

- Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.
- When the speaker is decomposed, the performance cannot be kept.

3.2.15 REMOVING THE FRONT LED PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
- Remove the SUB POWER PWB BRACKET.
 - (1) Remove the 2 screws **[B]**, then remove the FRONT LED PWB.

3.2.16 REMOVING THE LED LENS (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
- Remove the SUB POWER PWB BRACKET.
- Remove the FRONT LED PWB.
 - (1) Remove the 2 screws **[M]**, then remove the LED LENS.

3.2.17 REMOVING THE CARD PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 2 screws **[C]**, then remove the CARD BASE.
 - (2) Remove the 1 screw **[D]**, then remove the CARD PWB BRACKET with CARD PWB.
 - (3) Remove the 4 screws **[E]**, then remove the CARD PWB.

3.2.18 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
- Remove the CARD PWB BRACKET.
 - (1) Remove the 2 screws **[F]**, then remove the MAIN BASE.
 - (2) Remove the 4 screws **[G]** and the 2 screw **[H]**, then remove the TOP FRAME.
 - (3) Remove the 2 screws **[J]** and the 2 screws **[K]**, then remove the BOTTOM FRAME.
 - (4) Remove the 2 screws **[L]**, then remove the SUB BRACKET.
 - (5) Remove the LCD PANEL UNIT from the FRONT PANEL.

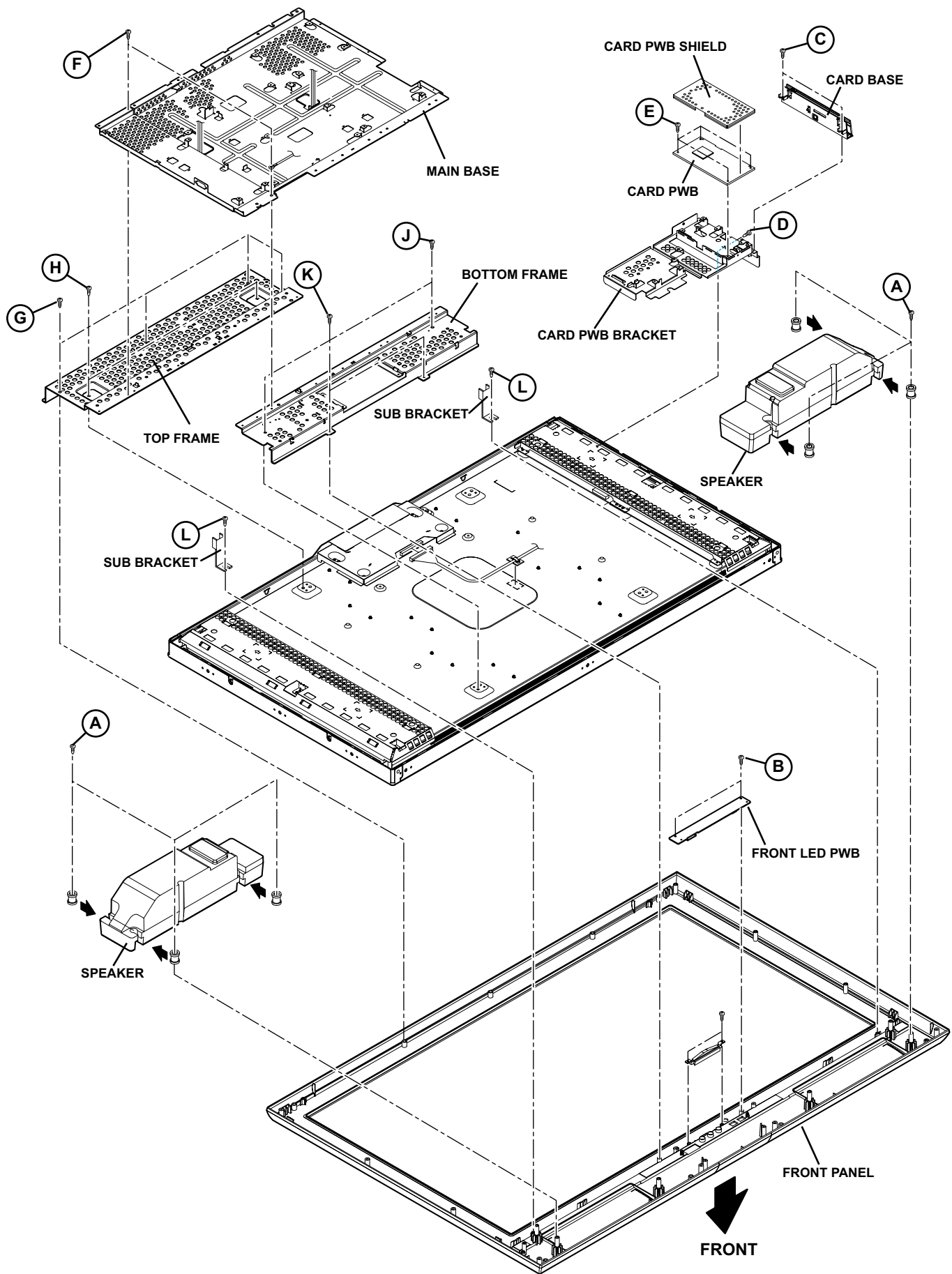


Fig.2

3.3 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.3.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

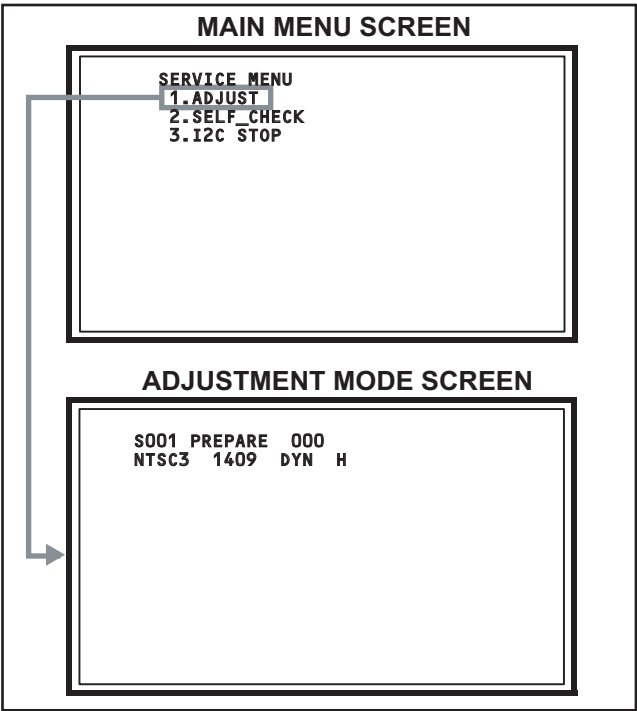


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video sytetem setting	Adjust	S001 to S039
Audio sytetem setting	Adjust	T001 to T010
Panel control sytetem setting	Fixed	P001 to P010
Drive sytetem setting	Fixed	D001 to D187
Main cpu system setting	Fixed	Z001 to Z010

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
INPUT	TV
CHANNEL	CABLE-02
VOLUME	10
MUTING	OFF
DISPLAY	OFF
ASPECT	NTSC PANORAMA
	HD / ATSC FULL
SLEEP TIMER	OFF
THEATER PRO	OFF
NATURAL CINEMA	AUTO
VIDEO STATUS	DYNAMIC
MTS	STEREO
SOUND EFFECT	A.H.S OFF
	BBE ON
	SMART SOUND OFF
	A.H.B OFF

3.3.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+10	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	ON	ON	ON	ON

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+05	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00

3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
VIDEO-1 MONITOR OUT	OFF
DIGITAL-IN	AUTO
DIGITAL-AUDIO	DIGITAL
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
ILLUMINATION	LOW
LANGUAGE	ENG.
CLOSED CAPTION	OFF(CC1/T1)
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF
AUTO DEMO	OFF

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

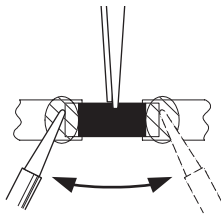
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

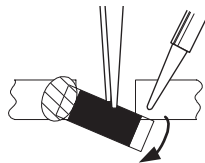
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

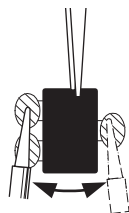


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



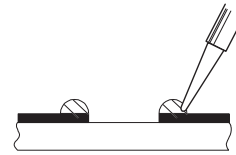
NOTE :

After removing the part, remove remaining solder from the pattern.

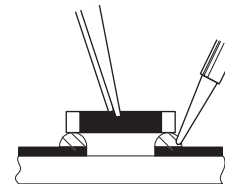
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

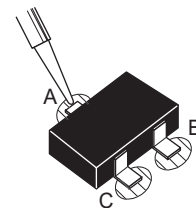


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

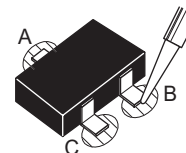


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

Setting item	Settings
VIDEO STATUS	STANDARD
BRIGHT / CONTRAST / COLOR / TINT	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
NATURAL CINEMA	OFF
TREBLE / BASS / BALANCE	00
SMART SOUND	OFF
MTS	STEREO
BBE	OFF
A.H.S	OFF
A.H.B	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
[NTSC / 525i / 525p / 750p / 1125i]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT

- 525i A-D OFFSET adjustment
- 1125i BRIGHTNESS adjustment
- 1125i A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGHLIGHT) adjustment

■ MTS CIRCUIT

- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)

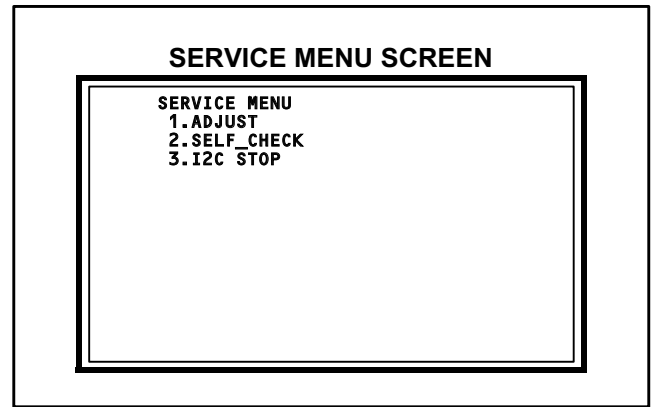


Fig.1

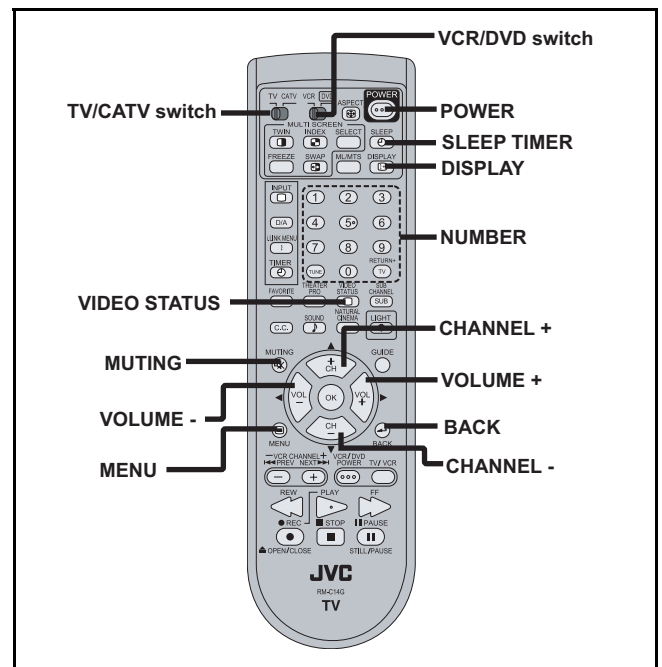
NOTE:

- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 SERVICE MODE SELECT KEY LOCATION



4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press [1] key to enter the **ADJUSTMENT MODE** (Fig.2).

4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

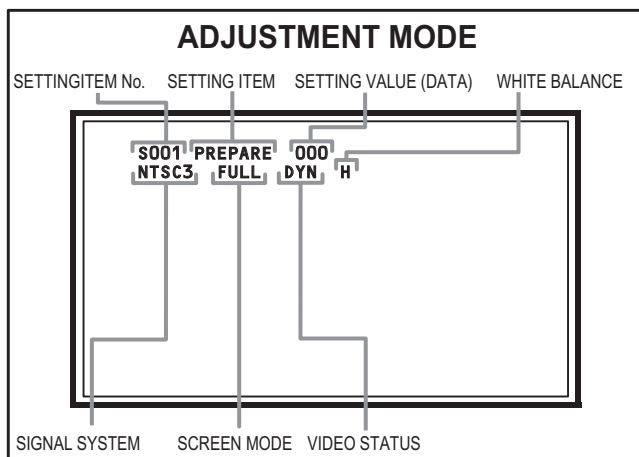


Fig.2

(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)
525I : 525i (Component input)
525P : 525p
1125I6 : 1125i
750P : 750p
H525I : HDMI 525i
H525P : HDMI 525p
H125I6 : HDMI 1125i
H750P : HDMI 750p
D525I : Digital 525i
D525P : Digital 525p
D125I6 : Digital 1125i

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL : FULL
1609 : CINEMA, CINEMA ZOOM
PANO : PANORAMA, HD PANORAMA
REGU : REGULAR

MULTI SCREEN

M2 : TWIN, FREEZE screen
M12 : INDEX screen

(3) VIDEO STATUS

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

(4) WHITE BALANCE

H : HIGH
L : LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S039	Video system setting
T001 - T010	Audio system setting
P001 - P010	Panel control system setting
D001 - D187	Drive system setting
Z001 - Z010	Main CPU system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM

- [CH+] / [CH-] key.
Change the setting items up/ down.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.
Switches to the next items.

S001 → T001 → P001 → D001 → Z001

■CHANGE OF SETTING VALUE (DATA)

- [VOL+] / [VOL-] key.
Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
S001	PREPARE	000 - 031	000
S002	NTSC BL	000 - 015	000
S003	NTSC CNT	000 - 255	036
S004	NT CR OF	000 - 015	006
S005	NT CB OF	000 - 015	006
S006	525i BL	000 - 015	000
S007	525i CNT	000 - 255	044
S008	5i CB OF	000 - 015	000
S009	5i CR OF	000 - 015	000
S010	5i CR GN	000 - 015	006
S011	5i CB GN	000 - 015	006
S012	HD BL	000 - 063	056
S013	HD CB OF	000 - 063	055
S014	HD CR OF	000 - 063	058
S015	RT CONT	000 - 015	007
S016	RT CB OF	000 - 015	005
S017	RT CR OF	000 - 015	007
S018	RT CL GA	000 - 015	012
S019	PC CL MB	000 - 007	000
S020	PC CL LB	000 - 031	000
S021	PC CL MR	000 - 071	000
S022	PC CL LR	000 - 031	000
S023	(Not display)	000 - 255	000
S024	(Not display)	000 - 255	000
S025	(Not display)	000 - 255	000
S026	(Not display)	000 - 255	000
S027	(Not display)	000 - 255	000
S028	(Not display)	000 - 255	000
S029	(Not display)	000 - 255	000
S030	R DRIVE	000 - 255	130
S031	G DRIVE	000 - 255	133
S032	B DRIVE	000 - 255	090
S033	(Not display)	000 - 255	000
S034	(Not display)	000 - 255	000
S035	(Not display)	000 - 255	000
S036	(Not display)	000 - 255	000
S037	(Not display)	000 - 255	000
S038	(Not display)	000 - 255	000
S039	ILA COM	+00 - +01	+00

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
T001	IN LEVEL	000 - 255	009
T002	LOW SEP	000 - 255	033
T003	HIGH SEP	000 - 255	024
T004	AFC	000 - 255	+00
T005	(Not display)	000 - 255	00
T006	ATT V ON	000 - 001	000
T007	ATT U ON	000 - 001	000
T008	ATT C ON	000 - 001	000
T009	(Not display)	000 - 255	000
T010	(Not display)	000 - 255	000

4.6.3 PANEL CONTROL SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
P001	TM HOR H	00 - FF	00
P002	TM HOR L	00 - FF	00
P003	TM MIN	00 - FF	00
P004	TEMP0	000 - 255	000
P005	(Not display)	000 - 255	000
P006	(Not display)	000 - 255	000
P007	(Not display)	000 - 255	000
P008	(Not display)	000 - 255	000
P009	(Not display)	000 - 255	000
P010	(Not display)	000 - 255	000

4.6.4 DRIVE SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
D001	SLV GN	00 - 3F	15
D002	SLVH GN	00 - 3F	13
D003	SLH GN	00 - 3F	15
D004	SLV Pf	00 - 03	01
D005	SLH Pf H	00 - 01	01
D006	SLH Pf L	00 - 03	01
D007	SL EGCON	00 - 3F	08
D008	SL EGONF	00 - 01	01
D009	SL CRGON	00 - 3F	06
D010	SL CRGON	00 - 01	01
D011	SL ON OF	00 - 01	01
D012	SV GN	00 - 3F	18
D013	SVH GN	00 - 3F	1A
D014	SH GN	00 - 3F	1C
D015	SV Pf	00 - 03	00
D016	SV PfH	00 - 01	01

Item No.	Item name	Variable range	Setting value
D017	SV Pfl	00 - 03	00
D018	SYL CON	00 - 3F	30
D019	SYL CONF	00 - 01	01
D020	SYH CON	00 - 3F	00
D021	SYH CONF	00 - 01	01
D022	SC CON	00 - 3F	1A
D023	SC CNONF	00 - 01	01
D024	SPM BLC	00 - 3F	0A
D025	SPM BLCO	00 - 01	01
D026	SLIM	00 - 3F	20
D027	SLIMONF	00 - 01	01
D028	SCRG	00 - 3F	24
D029	SRGONF	00 - 01	01
D030	S ONF	00 - 01	01
D031	pb GN	00 - 3F	15
D032	pb PfH	00 - 01	01
D033	pb Pfl	00 - 03	00
D034	pb CRG	00 - 3F	04
D035	pb CRGON	00 - 01	01
D036	pb ONF	00 - 01	01
D037	pr GN	00 - 3F	15
D038	pr PfH	00 - 01	01
D039	pr Pfl	00 - 03	00
D040	pr CRG	00 - 3F	05
D041	pr CRGON	00 - 01	01
D042	pr ONF	00 - 01	01
D043	ENH ONF	00 - 01	01
D044	(Not display)	00 - FF	00
D045	(Not display)	00 - FF	00
D046	(Not display)	00 - FF	00
D047	(Not display)	00 - FF	00
D048	(Not display)	00 - FF	00
D049	(Not display)	00 - FF	00
D050	(Not display)	00 - FF	00
D051	(Not display)	00 - FF	00
D052	(Not display)	00 - FF	00
D053	(Not display)	00 - FF	00
D054	(Not display)	00 - FF	00
D055	(Not display)	00 - FF	00
D056	(Not display)	00 - FF	00
D057	(Not display)	00 - FF	00
D058	(Not display)	00 - FF	00
D059	(Not display)	00 - FF	00
D060	(Not display)	00 - FF	00
D061	(Not display)	00 - FF	00
D062	(Not display)	00 - FF	00

Item No.	Item name	Variable range	Setting value
D063	(Not display)	00 - FF	00
D064	(Not display)	00 - FF	00
D065	(Not display)	00 - FF	00
D066	(Not display)	00 - FF	00
D067	(Not display)	00 - FF	00
D068	(Not display)	00 - FF	00
D069	(Not display)	00 - FF	00
D070	(Not display)	00 - FF	00
D071	(Not display)	00 - FF	00
D072	(Not display)	00 - FF	00
D073	(Not display)	00 - FF	00
D074	(Not display)	00 - FF	00
D075	(Not display)	00 - FF	00
D076	(Not display)	00 - FF	00
D077	(Not display)	00 - FF	00
D078	(Not display)	00 - FF	00
D079	(Not display)	00 - FF	00
D080	(Not display)	00 - FF	00
D081	(Not display)	00 - FF	00
D082	(Not display)	00 - FF	00
D083	(Not display)	00 - FF	00
D084	(Not display)	00 - FF	00
D085	(Not display)	00 - FF	00
D086	(Not display)	00 - FF	00
D087	(Not display)	00 - FF	00
D088	(Not display)	00 - FF	00
D089	(Not display)	00 - FF	00
D090	(Not display)	00 - FF	00
D091	(Not display)	00 - FF	00
D092	(Not display)	00 - FF	00
D093	(Not display)	00 - FF	00
D094	(Not display)	00 - FF	00
D095	(Not display)	00 - FF	00
D096	(Not display)	00 - FF	00
D097	(Not display)	00 - FF	00
D098	(Not display)	00 - FF	00
D099	(Not display)	00 - FF	00
D101	(Not display)	00 - FF	00
D102	(Not display)	00 - FF	00
D103	(Not display)	00 - FF	00
D104	(Not display)	00 - FF	00
D105	(Not display)	00 - FF	00
D106	(Not display)	00 - FF	00
D107	(Not display)	00 - FF	00
D108	(Not display)	00 - FF	00
D109	(Not display)	00 - FF	00

Item No.	Item name	Variable range	Setting value
D110	(Not display)	00 - FF	00
D111	(Not display)	00 - FF	00
D112	(Not display)	00 - FF	00
D113	(Not display)	00 - FF	00
D114	(Not display)	00 - FF	00
D115	(Not display)	00 - FF	00
D116	(Not display)	00 - FF	00
D117	(Not display)	00 - FF	00
D118	(Not display)	00 - FF	00
D119	(Not display)	00 - FF	00
D120	(Not display)	00 - FF	00
D121	(Not display)	00 - FF	00
D122	(Not display)	00 - FF	00
D123	(Not display)	00 - FF	00
D124	(Not display)	00 - FF	00
D125	(Not display)	00 - FF	00
D126	(Not display)	00 - FF	00
D127	(Not display)	00 - FF	00
D128	(Not display)	00 - FF	00
D129	(Not display)	00 - FF	00
D130	(Not display)	00 - FF	00
D131	(Not display)	00 - FF	00
D132	(Not display)	00 - FF	00
D133	(Not display)	00 - FF	00
D134	(Not display)	00 - FF	00
D135	(Not display)	00 - FF	00
D136	(Not display)	00 - FF	00
D137	(Not display)	00 - FF	00
D138	(Not display)	00 - FF	00
D139	(Not display)	00 - FF	00
D140	(Not display)	00 - FF	00
D141	(Not display)	00 - FF	00
D142	(Not display)	00 - FF	00
D143	(Not display)	00 - FF	00
D144	(Not display)	00 - FF	00
D145	(Not display)	00 - FF	00
D146	(Not display)	00 - FF	00
D147	(Not display)	00 - FF	00
D148	(Not display)	00 - FF	00
D149	(Not display)	00 - FF	00
D150	(Not display)	00 - FF	00
D151	(Not display)	00 - FF	00
D152	(Not display)	00 - FF	00
D153	(Not display)	00 - FF	00
D154	(Not display)	00 - FF	00
D155	(Not display)	00 - FF	00

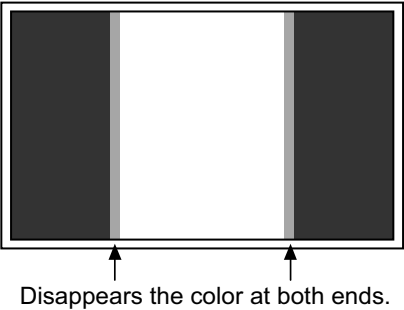
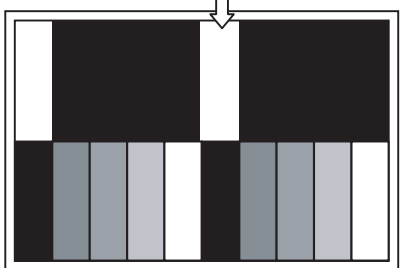
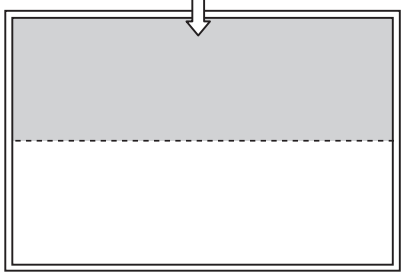
Item No.	Item name	Variable range	Setting value
D156	(Not display)	00 - FF	00
D157	(Not display)	00 - FF	00
D158	(Not display)	00 - FF	00
D159	(Not display)	00 - FF	00
D160	(Not display)	00 - FF	00
D161	(Not display)	00 - FF	00
D162	(Not display)	00 - FF	00
D163	(Not display)	00 - FF	00
D164	(Not display)	00 - FF	00
D165	(Not display)	00 - FF	00
D166	(Not display)	00 - FF	00
D167	(Not display)	00 - FF	00
D168	(Not display)	00 - FF	00
D169	(Not display)	00 - FF	00
D170	(Not display)	00 - FF	00
D171	(Not display)	00 - FF	00
D172	(Not display)	00 - FF	00
D173	(Not display)	00 - FF	00
D174	(Not display)	00 - FF	00
D175	(Not display)	00 - FF	00
D176	(Not display)	00 - FF	00
D177	(Not display)	00 - FF	00
D178	(Not display)	00 - FF	00
D179	(Not display)	00 - FF	00
D180	(Not display)	00 - FF	00
D181	(Not display)	00 - FF	00
D182	(Not display)	00 - FF	00
D183	(Not display)	00 - FF	00
D184	(Not display)	00 - FF	00
D185	(Not display)	00 - FF	00
D186	(Not display)	00 - FF	00
D187	(Not display)	00 - FF	00

4.6.5 MAIN CPU SYETEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
Z001	(Not display)	00 - FF	00
Z002	(Not display)	00 - FF	00
Z003	(Not display)	00 - FF	00
Z004	(Not display)	00 - FF	00
Z005	(Not display)	00 - FF	00
Z006	(Not display)	00 - FF	00
Z007	(Not display)	00 - FF	00
Z008	(Not display)	00 - FF	00
Z009	(Not display)	00 - FF	00
Z010	(Not display)	00 - FF	00

4.7 ADJUSTMENT PROCEDURE

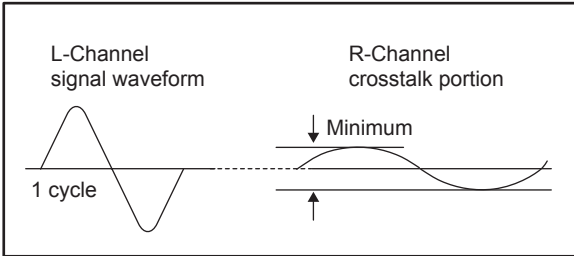
4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
525i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S008: 5i CB OF(525i cb offset) S009: 5i CR OF(525i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 525i component ramp pattern signal. (2) Set "VIDEO STATUS" to "STANDARD" . (3) Set "ASPECT" to "FULL" . (4) Set "COLOR TEMPERATURE" to "LOW" . (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133" . (7) Set < S001 > (adjustment setting mode change) to set "008" and it change to the 525i A-D offset adjustment setting mode. (8) Adjust < S008 > (525i Cb offset) and < S009 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
				
1125i BRIGHTNESS	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S012: HD BL(1125i brightness) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i gray scale pattern signal . (2) Set "VIDEO STATUS" to "STANDARD" . (3) Set "ASPECT" to "FULL" . (4) Set "COLOR TEMPERATURE" to "LOW" . (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133" . (7) Set < S001 > (adjustment setting mode change) to set the values "012" and it change to the 1125i black level adjustment setting mode. (8) Adjust < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
				
1125i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i 30% all white pattern signal. (2) Set "VIDEO STATUS" to "STANDARD" . (3) Set "ASPECT" to "FULL" . (4) Set "COLOR TEMPERATURE" to "LOW" . (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133" . (7) Set < S001 > (adjustment setting mode change) to set "013" and it change to the 1125i A-D offset adjustment setting mode. (8) Adjust < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Adjust < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set "000" and it change to the normal mode. (11) Press the [MUTING] key to memoirize the set value.
				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB SCREEN A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	<div>(1) Set "VIDEO STATUS" to "STANDARD".</div> <div>(2) Set "ASPECT" to "FULL".</div> <div>(3) Set "COLOR TEMPERATURE" to "LOW".</div> <div>(4) Set "MULTI SCREEN" to "TWIN".</div> <div>(5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal).</div> <div>(6) Select "1.ADJUST" from the SERVICE MODE.</div> <div>(7) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133".</div> <div>(8) Set < S001 > (adjustment setting mode change) to set "017" and it change to the sub screen A-D offset adjustment setting mode.</div> <div>(9) Adjust < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen.</div> <div>If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.</div> <div>(10) Adjust < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen.</div> <div>(11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9)</div> <div>(12) Set < S001 > to set "000" and it change to the normal mode.</div> <div>(13) Press the [MUTING] key to memoirize the set value.</div>
	Signal generator		S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
<div>Set the 0% block part to be brightest.</div> <div></div>				
WHITE BALANCE (HIGHLIGHT)	Remote control unit		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	<div>(1) Receive a NTSC 75% all white signal.</div> <div>(2) Set "VIDEO STATUS" to "STANDARD".</div> <div>(3) Set "ASPECT" to "FULL".</div> <div>(4) Select "COLOR TEMPERATURE" to "LOW".</div> <div>(5) Select "1.ADJUST" from the SERVICE MODE.</div> <div>(6) Adjust to keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.</div> <div>NOTE: Set one or more of < S030 >, < S031 >, and < S032 > to "133".</div> <div>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.</div> <div>(8) Press the [MUTING] key to memoirize the set value.</div>

4.7.2 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select "1.ADJUST" from the SERVICE MODE. (3) Verify that the < T001 > (IN LEVEL) is set at its initial setting value. (4) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the AUDIO OUT , and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT , and enlarge the voltage axis. (4) Select "1.ADJUST" from the SERVICE MODE. (5) Set the initial setting value of the < T002 > (LOW SEP). (6) Adjust the < T002 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the < T003 > (HI SEP). (8) Press the [MUTING] key to memorize the set value.



SECTION 5 TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

- (1) Set to "0 minutes" using the **[SLEEP TIMER]** key.
 - (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
 - (3) Press the **[2]** key (SELF_CHECK) before the service mode screen disappears.
 - (4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
- When the **[RETURN+]** key pressed, the first page change screen.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

TO CLEAR (RESET) FAILURE HISTORY:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be ignored as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I²C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

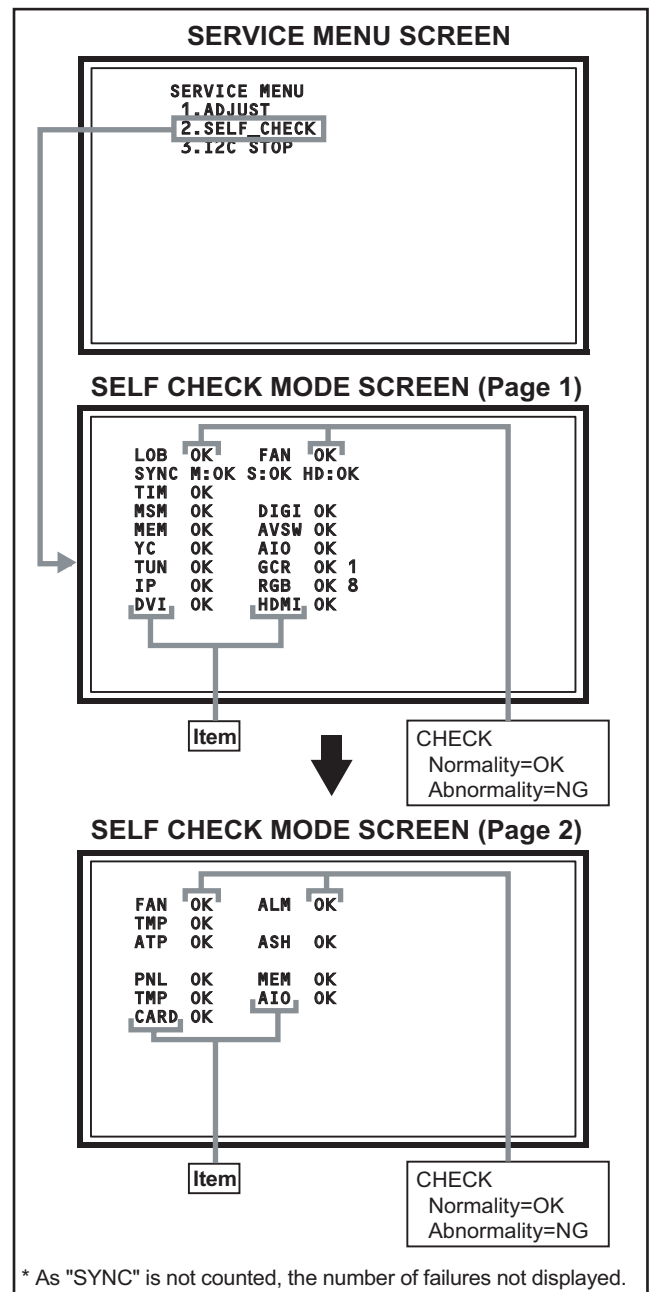


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bias (5V / 9V) protection circuit. Q9801 , Q9802 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Fan lock	FAN	Not used.	---	---
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with Chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed and no reply of ACK signal an error will be counted.
Digital tuner	DIG	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301 , IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound process	AIO	Same as above. IC1140 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I ² C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Not used.	---	---
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Confirmation of reply of ACK signal which uses I ² C communication.	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise of temperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in AUDIO PWB	ATP	Not used.	---	---
Short circuit detection of AUDIO PWB	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Not used.	---	---
Abnormal rise of CARD VIEWER PWB	CARD	Confirmation of reply of ACK signal which uses SDA communication. IC1001 [CARD VIEWER PWB]	SDA	If it checks whenever SDA communication is performed and no reply of ACK signal an error will be counted.

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	Display	POWER LED flash cycle
Low bias line short protection	LOB	Low luminance blue turnig on and off at 1 second intervals.
ATSC digital tuner communication error	---	Low luminance blue Flash 2.0 second / Low luminance blue Out 2.0 seconds
Fan lock	---	Low luminance blue Flash 2.0 second / Low luminance blue Out 2.0 seconds

< Explanation of operation >

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



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(No.YA301)



Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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CARD P.W. BOARD ASS'Y (SFL-8511A-M2)	3-12
MAIN POWER P.W. BOARD ASS'Y (SFL-9032A-M2)	3-13
REGULATOR P.W. BOARD ASS'Y (SFL-9132A-M2)	3-15
SUB POWER P.W. BOARD ASS'Y (SFL-9702A-M2)	3-16
DIGITAL SIGNAL P.W. BOARD ASS'Y (SFL0D134A-M2)	3-16
RECEIVER P.W. BOARD ASS'Y (SFL0F801A-M2)	3-22
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PACKING PARTS LIST	3-23
PACKING	3-24

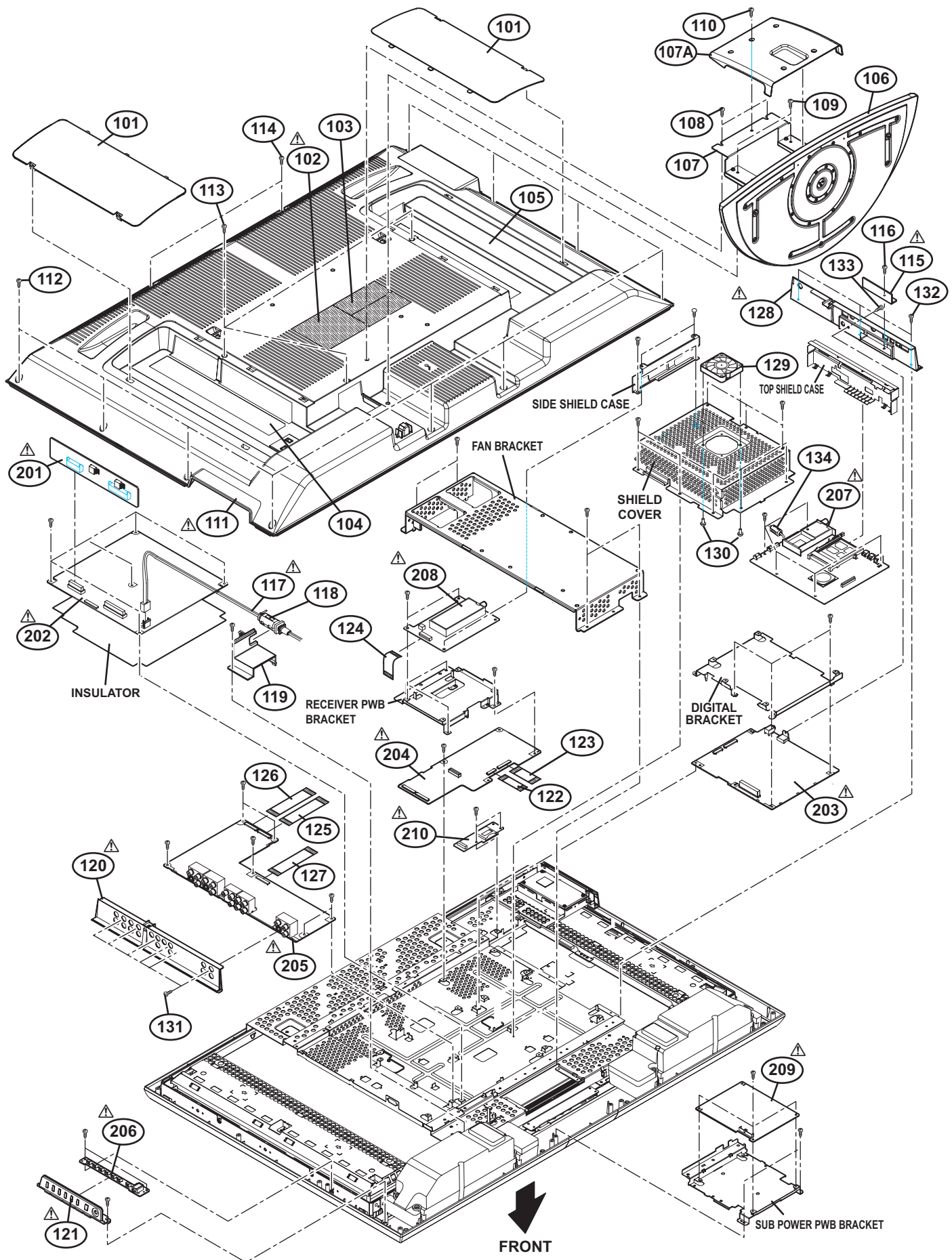
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.
ANALOG SIGNAL P.W.B	SFL-1123A-M2
CONNECTOR P.W.B	SFL-4122A-M2
FRONT CONTROL P.W.B	SFL-7101A-M2
FRONT LED P.W.B	SFL-8123A-M2
SD CARD P.W.B	SFL-8304A-M2
CARD P.W.B	SFL-8511A-M2
MAIN POWER P.W.B	SFL-9032A-M2
REGULATOR P.W.B	SFL-9132A-M2
SUB POWER P.W.B	SFL-9702A-M2
DIGITAL SIGNAL P.W.B	SFL0D134A-M2
RECEIVER P.W.B	SFL0F801A-M2
DIGITAL TUNER MODULE P.W.B	SSD-2101A-M2
REMOTE CONTROL UNIT	RM-C14G-1H

EXPLODED VIEW PARTS LIST -1

△	Ref.No.	Part No.	Part Name	Description	Local
	101	LC12199-001A-OK	JACK COVER	(x2)	
△	102	LC32830-001A-A	RATING LABEL		
	103	LC41424-001A-A	HDMI WARNING		
	104	LC33167-002A	OPERATION SHEET		
	105	LC33168-002B	OPERATION SHEET		
	106	LC42289-001A-C	STAND BASE UNIT		
	107	LC42290-001A-C	SUPPORT UNIT	Inc.107A	
	107A	T0106-01	STAND COVER		
	108	QYSPSPD5014MA	SCREW	M5 x 14mm(x2)	
	109	QYSPSPD5030NA	SCREW	M5 x 30mm(x2)	
	110	QYSPSPD3020ZA	SCREW	M3 x 20mm	
△	111	LC12337-002B-OK	REAR COVER		
	112	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	113	QYSBSF3010M	TAP SCREW	M3 x 10mm(x3)	
	114	QYSPSPD3006M	SCREW	M3 x 6mm(x2)	
△	115	LC32760-001A-HK	SERVICE COVER		
	116	QYSBSF3010M	TAP SCREW	M3 x 10mm	
△	117	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	
	118	QQR0491-001	FERRITE CORE		
	119	LC33103-001A-OK	POWER CORD HOLDER		
△	120	LC21596-006A-HK	TERMINAL BASE		
△	121	LC33196-003B-OK	CONTROL ASSY		
	122	QUQ105-3004AA-E	FFC WIRE	30pin 4cm	
	123	QUQ105-5004AA-E	FFC WIRE	50pin 4cm	
	124	QUQ105-4006AL-E	FFC WIRE	40pin 6cm	
	125	QUQ105-5013AE-E	FFC WIRE	50pin 13cm	
	126	QUQ105-5013AE-E	FFC WIRE	50pin 13cm	
	127	QUQK12-2106CH-E	FFC WIRE	21pin 6cm	
△	128	LC21597-005B-HK	TUNER BASE		
	129	QAR0362-002	COOLING FAN		
	130	LC42223-001A	RIVET	(x2)	
	131	QYSBSF3010M	TAP SCREW	M3 x 10mm(x6)	
	132	QYSPSPD3006M	SCREW	M3 x 6mm(x2)	
	133	QYSPSP3008MA	SCREW	M3 x 8mm	
	134	QQR0490-001	NOISE FILTER		
△	201	SFL-9132A-M2	REGULATOR PWB		
△	202	SFL-9032A-M2	MAIN POWER PWB		
△	203	SFL0D134A-M2	DIGITAL SIGNAL PWB		
△	204	SFL-4122A-M2	CONNECTOR PWB		
△	205	SFL-1123A-M2	ANALOG SIGNAL PWB		
△	206	SFL-7101A-M2	FRONT CONTROL PWB		
△	207	SSD-2101A-M2	DIGITAL TUNER MODULE PWB		
△	208	SFL0F801A-M2	RECEIVER PWB		
△	209	SFL-9702A-M2	SUB POWER PWB		
△	210	SFL-8304A-M2	SD CARD PWB		

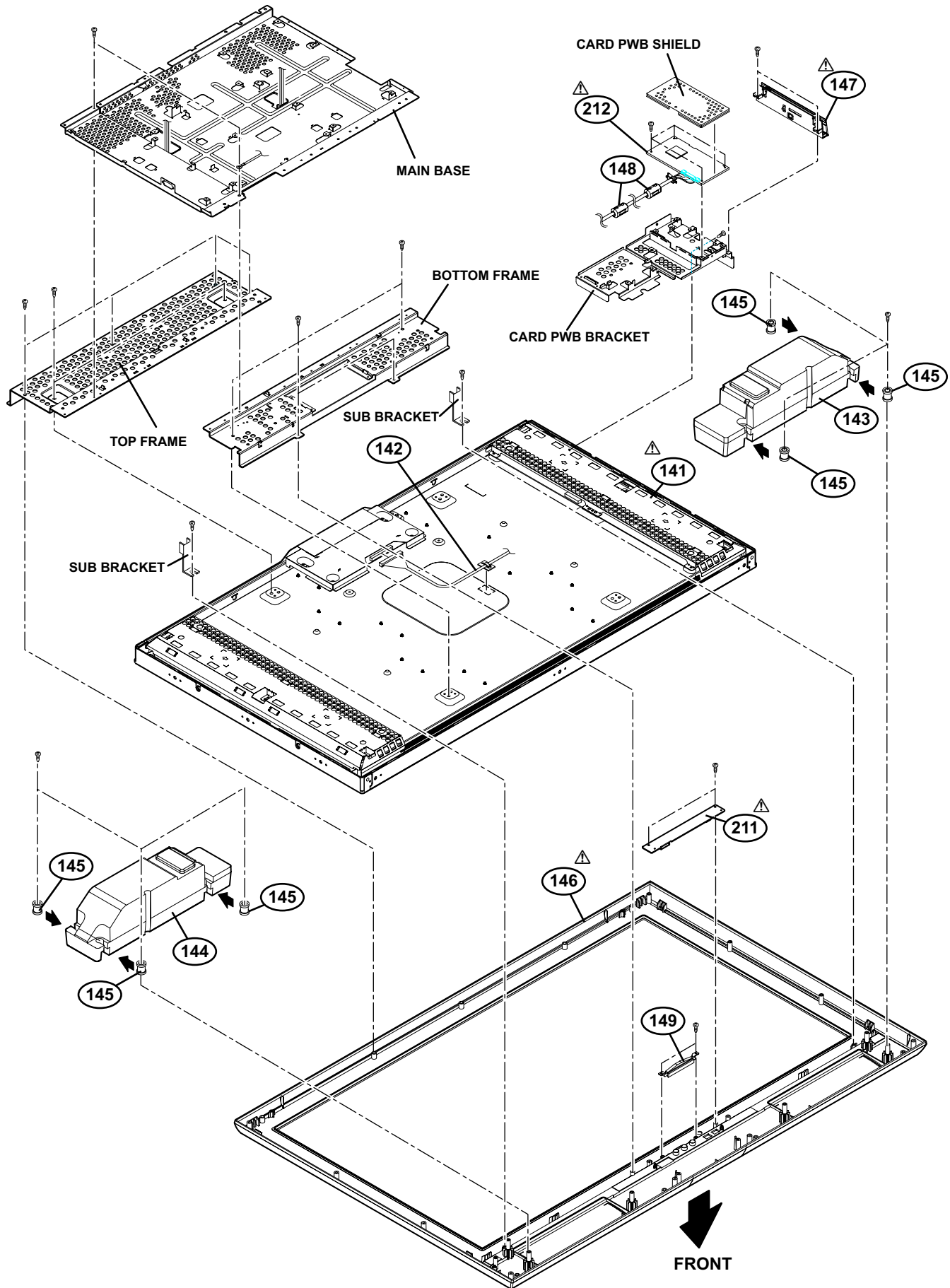
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

△	Ref.No.	Part No.	Part Name	Description	Local
△	141	QLD0372-001-JIM	LCD PANEL UNIT		
	142	WJW0024-002A-E	DIGITAL (LVDS) CABLE		
	143	LC41913-004A-C	SPEAKER ASSY		
	144	LC41913-003A-C	SPEAKER ASSY		
	145	LC40226-002A-A	SPACER	(x6)	
△	146	LC12197-002A-0K	FRONT PANEL ASSY		
△	147	LC33197-003C-0K	CARD BASE		
	148	QQR0491-001	FERRITE CORE	(x2)	
	149	LC33125-001B-HK	LED LENS		
△	211	SFL-8123A-M2	FRONT LED PWB		
△	212	SFL-8511A-M2	CARD PWB		

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST

ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1123A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC201	TA1370FG-X	IC		
IC301	AN15852A	IC		
IC501	CXA2069Q	IC		
IC502	MM1510XN-X	IC		
IC503	MM1510XN-X	IC		
IC504	MM1510XN-X	IC		
IC711	CXA1875AM-X	IC		
IC801	TB1274BFG	IC		
IC802	TC90A69AF-X	IC		
IC902	TA48M033F-X	IC		
IC903	BA90BC0FP-X	IC		
IC6001	NJM2777M-X	IC		
IC6201	PQ20WZ11-X	IC		
IC6521	NJW1164M-W	IC		
IC6551	RC4558D-X	IC		
IC6552	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8925ST/N1	IC		
Q301	2SC3837K/NP/-X	TRANSISTOR		
Q302	2SC3837K/NP/-X	TRANSISTOR		
Q303	2SC3837K/NP/-X	TRANSISTOR		
Q307	2SA1530A/QR/-X	TRANSISTOR		
Q402	SSM3K17FU-X	MOS FET		
Q403	SSM3K17FU-X	MOS FET		
Q404	SSM3K17FU-X	MOS FET		
Q405	SSM3K17FU-X	MOS FET		
Q507	2SA1530A/QR/-X	TRANSISTOR		
Q508	2SA1530A/QR/-X	TRANSISTOR		
Q509	2SA1530A/QR/-X	TRANSISTOR		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q810	2SA1530A/QR/-X	TRANSISTOR		
Q851	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q902	2SC3074/OY/-X	TRANSISTOR		
Q903	2SC3928A/QR/-X	TRANSISTOR		
Q2051	UN2226-X	DIGI TRANSISTOR		
Q2052	UN2226-X	DIGI TRANSISTOR		
Q2055	UN2110-X	DIGI TRANSISTOR		
Q6301	2SC3928A/QR/-X	TRANSISTOR		
Q6302	2SC3928A/QR/-X	TRANSISTOR		
Q6431	2SA1530A/QR/-X	TRANSISTOR		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6538	2SC3928A/QR/-X	TRANSISTOR		
Q6539	2SC3928A/QR/-X	TRANSISTOR		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC3928A/QR/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
Q6673	2SA1530A/QR/-X	TRANSISTOR		
D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D902	1SS355-X	SI DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
D905	MA8030/H/-X	Z DIODE		
D2001	UDZS10B-X	Z DIODE		
D2002	UDZS10B-X	Z DIODE		
D2004	UDZS10B-X	Z DIODE		
D2005	UDZS10B-X	Z DIODE		
D2006	UDZS10B-X	Z DIODE		
D2007	UDZS10B-X	Z DIODE		
D2008	UDZS10B-X	Z DIODE		
D2010	UDZS10B-X	Z DIODE		
D2011	UDZS10B-X	Z DIODE		
D2012	UDZS10B-X	Z DIODE		
D2013	UDZS10B-X	Z DIODE		
D2014	UDZS10B-X	Z DIODE		
D2015	UDZS10B-X	Z DIODE		
D2016	UDZS10B-X	Z DIODE		
D2017	UDZS10B-X	Z DIODE		
D2053	UDZS10B-X	Z DIODE		
D2054	UDZS10B-X	Z DIODE		
D2205	UDZS10B-X	Z DIODE		
D2206	UDZS10B-X	Z DIODE		
D2207	UDZS10B-X	Z DIODE		
D6001	1SS355-X	SI DIODE		
D6002	1SS355-X	SI DIODE		
D6201	1SS355-X	SI DIODE		
D6431	1SS355-X	SI DIODE		
D6432	1SS355-X	SI DIODE		
D6433	1SS355-X	SI DIODE		
D6501	1SS355-X	SI DIODE		
D6502	1SS355-X	SI DIODE		
D6503	1SS355-X	SI DIODE		
D6504	1SS355-X	SI DIODE		
D6601	UDZS6.2B-X	Z DIODE		
D6663	UDZS3.3B-X	Z DIODE		
D6664	1SS355-X	SI DIODE		
D6671	UDZS20B-X	Z DIODE		
D6672	UDZS20B-X	Z DIODE		
D6673	UDZS20B-X	Z DIODE		
D6674	UDZS20B-X	Z DIODE		
D6681	1SS355-X	SI DIODE		
D6682	1SS355-X	SI DIODE		
D6683	1SS355-X	SI DIODE		
DB201	UDZS3.3B-X	Z DIODE		
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	NEHL1HM-225X	E CAPACITOR	2.2uF 50V M	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NELA1AM-157X	E CAPACITOR	150uF 10V M	
C205	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C206	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C302	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C313	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C316	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C319	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NB20010-396X	SP E CAPACITOR	39uF 16V M	
C324	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C325	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C326	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C327	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C328	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C329	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C330	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C335	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C336	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C337	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C341	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C343	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C346	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C349	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C372	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C382	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C392	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C403	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C404	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C405	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C406	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C501	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C502	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C503	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C505	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C506	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C515	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C516	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C518	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C519	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C520	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C521	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C522	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C523	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C524	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C525	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C526	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C527	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C543	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C544	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2018	NCB11AK-106X	C CAPACITOR	10uF 10V K
C545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2019	NCB11AK-106X	C CAPACITOR	10uF 10V K
C711	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C2020	NCB11AK-106X	C CAPACITOR	10uF 10V K
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2055	NCB31CK-105X	C CAPACITOR	1uF 16V K
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2204	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C804	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C2205	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2206	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C807	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C813	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C6003	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6004	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C818	NEHL1HM-106X	E CAPACITOR	10uF 50V M	C6005	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C6006	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6007	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6008	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6202	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C6203	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C826	NEHL1EM-226X	E CAPACITOR	22uF 25V M	C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C827	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6301	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C6302	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6431	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6505	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C853	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C6510	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6521	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	C6527	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6528	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6534	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6535	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6537	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C6538	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C6540	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6541	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6542	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6543	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6544	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C880	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C881	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6551	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6552	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C884	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C6553	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C885	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C6554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C886	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C6555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6556	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C888	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C6557	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C889	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C6559	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C890	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C6561	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C891	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C6562	NEHL1HM-225X	E CAPACITOR	2.2uF 50V M
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J	C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K
C901	NEHM1HM-105X	E CAPACITOR	1uF 50V M	C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6585	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	C6586	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C906	NEHM1CM-476X	E CAPACITOR	47uF 16V M	C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C912	NEHM1CM-476X	E CAPACITOR	47uF 16V M	C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	C6605	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	C6606	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C915	NEHM1CM-476X	E CAPACITOR	47uF 16V M	C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6623	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C2003	NRSA63J-0R0X	MG RESISTOR	Ω 1/16W J	C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C2009	NRSA63J-0R0X	MG RESISTOR	Ω 1/16W J	C6628	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C2016	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K
C2017	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R540	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R573	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R574	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	R575	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C6670	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	R576	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R577	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R578	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R579	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R580	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R581	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6679	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6693	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
				R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J
R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R212	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R228	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R375	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R385	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R395	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R413	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R414	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R901	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R902	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R904	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R532	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2051	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2052	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2053	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R2055	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R2059	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2060	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R2061	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R2062	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J
R2065	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2066	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R2069	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R2071	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J	R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R6688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6515	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R6516	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R6518	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L201	NQL914K-101X	COIL	100uH K
R6519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	L807	NQR0499-001X	FERRITE BEADS	
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L808	NQR0499-001X	FERRITE BEADS	
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L809	NQR0499-001X	FERRITE BEADS	
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L851	NQL092K-6R8X	COIL	6.8uH K
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L852	NQL092K-6R8X	COIL	6.8uH K
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L853	NQL092K-6R8X	COIL	6.8uH K
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L854	NQL092M-270X	CHIP P COIL	27uH M
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L855	NQL904J-560X	COIL	56uH J
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L861	NQL914K-220X	COIL	22uH K
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L862	NQL914K-101X	COIL	100uH K
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L863	NQL914K-101X	COIL	100uH K
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L864	NQL914K-101X	COIL	100uH K
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L865	NQL914K-220X	COIL	22uH K
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L866	NQL914K-220X	COIL	22uH K
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L867	NQL914K-220X	COIL	22uH K
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L902	NQL52EM-220X	COIL	22uH M
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L903	NQL52EM-220X	COIL	22uH M
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L904	NQL52EM-220X	COIL	22uH M
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L6661	QQL28AK-560	COIL	56uH K
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L6662	QQL28AK-560	COIL	56uH K
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN000H	QGF1201C2-21	CONNECTOR	FFC/FPC (1-21)
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	J2001	QNZ0726-001	AV JACK	INPUT-1(S/V/L/R)
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	J2003	QNZ0726-001	AV JACK	INPUT-2(S/V/L/R)
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J2004	QNN0651-001	PIN JACK	INPUT-3(V/L/R)
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	J2006	QNN0650-001	PIN JACK	INPUT-1(COMPONENT)
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	J2008	QNZ0726-001	AV JACK	MONITOR/REC OUT
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J2009	QNN0652-001	PIN JACK	DIGITAL IN AUDIO
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	K6601	NQR0499-002X	FERRITE BEADS	
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	K6602	NQR0499-002X	FERRITE BEADS	
R6558	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	K6661	NQR0499-002X	FERRITE BEADS	
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	K6662	NQR0499-002X	FERRITE BEADS	
R6560	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	K6663	NQR0499-002X	FERRITE BEADS	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	K6664	NQR0499-002X	FERRITE BEADS	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	X201	QAX0873-001	C RESONATOR	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	X801	NAX0621-001X	CRYSTAL	16.200MHz
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J				
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				

CONNECTOR P.W. BOARD ASS'Y (SFL-4122A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC4301	RC4558D-X	IC	
IC4401	TL52055PW-X	IC	
IC4402	TL52055PW-X	IC	

△Ref No.	Part No.	Part Name	Description	Local
IC4501	TC7WH126FU-X	IC		
IC4502	TC7WH240FU-X	IC		
D4501	MA8033-X	Z DIODE		
C4211	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C4303	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C4304	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C4305	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C4306	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C4401	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4405	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4407	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4408	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4409	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4410	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4414	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4415	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4416	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4417	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4418	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4419	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C4420	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C4421	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4422	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4423	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R4301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4306	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4401	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4402	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4403	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4413	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R4414	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R4415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4417	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4419	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4422	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4423	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4424	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4426	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4502	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4503	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4504	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4505	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)	
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)	
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7101A-M2)

△Ref No.	Part No.	Part Name	Description	Local
D7011	UDZS6.2B-X	Z DIODE		
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
J7001	QMS3004-C01	H.P.JACK	HEADPHONE	
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S7701	QSW1131-001Z	TACT SWITCH	CH-	
S7702	QSW1131-001Z	TACT SWITCH	CH+	
S7703	QSW1131-001Z	TACT SWITCH	INPUT	
S7704	QSW1131-001Z	TACT SWITCH	MENU	
S7705	QSW1131-001Z	TACT SWITCH	VOL+	
S7706	QSW1131-001Z	TACT SWITCH	VOL-	
S7707	QSW1131-001Z	TACT SWITCH	POWER	

FRONT LED P.W. BOARD ASS'Y (SFL-8123A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC8752	GP1UM261RKVF	IR DETECT UNIT		
Q8701	UN2212-X	DIGI TRANSISTOR		
Q8702	UN2110-X	DIGI TRANSISTOR		
Q8703	UN2212-X	DIGI TRANSISTOR		
Q8704	UN2110-X	DIGI TRANSISTOR		
Q8705	UN2212-X	DIGI TRANSISTOR		
Q8706	UN2110-X	DIGI TRANSISTOR		
Q8707	UN2110-X	DIGI TRANSISTOR		
Q8708	UN2110-X	DIGI TRANSISTOR		
Q8710	UN2212-X	DIGI TRANSISTOR		
Q8711	UN2212-X	DIGI TRANSISTOR		
Q8712	UN2110-X	DIGI TRANSISTOR		
D8702	SEL5E20C-T	LED	POWER	
D8703	SEL5920A-T	LED	PROGRAM/TIMER	
D8705	SELU5E20C-T	LED	ILLUMINATION	
D8706	MA8068-X	Z DIODE		
D8707	MA8068-X	Z DIODE		
D8708	MA8068-X	Z DIODE		
D8709	MA8068-X	Z DIODE		
C8752	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R8711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8713	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8715	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8717	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8722	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R8724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

SD CARD P.W. BOARD ASS'Y (SFL-8304A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC1001	W81386D-G	IC		
C1001	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1003	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1004	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1005	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1007	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1008	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1009	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1010	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1012	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
R1001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1012	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1027	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1111	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
RA1001	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
RA1002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	

△Ref No.	Part No.	Part Name	Description Local
L1001	NQR0506-001X	EMI FILTER	
LC1001	NQR0415-001X	EMI FILTER	1uF 10V M
X1001	NAX0644-001X	CRYSTAL	6.000000MHz

CARD P.W. BOARD ASS'Y (SFL-8511A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC1001	ES6425FF	IC	
IC1002	IC-PST596N/J/-X	IC	
IC1003	SN74LVC1G126V-X	IC	
IC1005	RPI-352	PHOTO TRANSISTOR	
IC1006	SN74LVC2G74T-X	IC	
IC1007	SN74LVC2G24IT-X	IC	
IC1201	SN74LVC244APW-X	IC	
IC1202	SN74LVC1G04V-X	IC	
IC1203	SN74LVC1G08V-X	IC	
IC1401	K4S281632F-UC75	IC(DIGITAL)	
IC1501	SA16M90TFIR1D03	IC(MICRO C ROM)	
IC2001	ADV7125KST140	IC	
IC2002	AK4384VT-X	IC	
IC2003	NJM4580V-X	IC	
IC2004	XC9572L10VG6401	IC	
IC2005	SN74LVC2G08T-X	IC	
IC2201	R1170H331B-X	IC	
IC2202	MP1580HS-X	IC	
IC2204	MM1562AF-X	IC	
Q1201	2SB1188/QR/-W	TRANSISTOR	
Q1202	UN2213-X	DIGI TRANSISTOR	
Q2201	2SC2411K/QR/-X	TRANSISTOR	
D1201	MA111-X	SI DIODE	
D1202	MA111-X	SI DIODE	
D1203	MA111-X	SI DIODE	
D1204	MA111-X	SI DIODE	
D2201	PTZ3.9B-X	Z DIODE	
D2202	EC30HA03L-X	SB DIODE	
C1001	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1003	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1010	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1026	NEHM0JM-336X	E CAPACITOR	33uF 6.3V M
C1027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1044	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1045	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1202	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1204	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1205	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1402	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

△Ref No.	Part No.	Part Name	Description Local
C1404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2001	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2002	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2003	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2004	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C2005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2009	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2010	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2011	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2012	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2013	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2014	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C2015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2016	NBZ0010-396X	SP E CAPACITOR	39uF 16V M
C2017	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C2018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2019	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2020	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2022	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C2024	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C2025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C2031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2033	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C2034	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C2035	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C2201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2202	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C2206	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C2208	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C2209	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C2210	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2213	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C2214	NCB31CK-105X	C CAPACITOR	1uF 16V K
C2215	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2216	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C2217	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C2218	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C2220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R1002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1003	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1004	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1006	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1010	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1012	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1015	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1016	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1017	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1018	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1019	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1020	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1036	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1037	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1038	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1039	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1044	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1052	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1053	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1054	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1056	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1058	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1060	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1061	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1065	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1066	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1067	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1068	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1069	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1070	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1201	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R1206	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2048	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R1207	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2049	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R1208	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2050	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R1209	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2051	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R1210	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2052	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J
R1211	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2053	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J
R1212	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2054	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J
R1213	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J	R2055	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J
R1214	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2201	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R1215	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2202	NRSA63D-153X	MG RESISTOR	15kΩ	1/16W D
R1216	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2203	NRSA63D-222X	MG RESISTOR	2.2kΩ	1/16W D
R1217	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J	R2204	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R1218	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2205	NRSA63J-680X	MG RESISTOR	68Ω	1/16W J
R1219	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	R2208	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R1220	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R2209	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R1221	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	R2210	NRSA63J-272X	MG RESISTOR	2.7kΩ	1/16W J
R1222	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	RA1001	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1223	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA1002	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1224	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	RA1003	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1225	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA1004	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1226	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA1005	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1227	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA1006	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1228	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	RA1007	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1229	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA1008	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1230	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	RA1401	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1231	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA1402	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1232	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	RA1403	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1233	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	RA1404	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1234	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA1405	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1235	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA1406	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1236	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	RA1407	NRZ0034-100W	NET RESISTOR	10Ω	1/32W J x4
R1237	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	RA2001	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1239	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA2002	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1240	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA2003	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1242	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA2004	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1244	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	RA2005	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1246	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA2006	NRZ0034-330W	NET RESISTOR	33Ω	1/32W J x4
R1247	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	L2001	NQL092K-1R0X	COIL	1uH	K
R1248	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J	L2002	NQL092K-1R0X	COIL	1uH	K
R1301	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	L2003	NQL092K-1R0X	COIL	1uH	K
R1401	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	L2201	NQL98EM-150X	COIL	15uH	M
R1402	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	L2202	NQL52EM-220X	COIL	22uH	M
R1403	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	CN1001	NNZ0132-001	MEMORY CARD CON		
R1501	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	CN1002	NNZ0119-001	CF CARD CONNE		
R1502	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	CN1003	QGF0529C1-45W	CONNECTOR	FFC/FPC (1-45)	
R1503	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	K1001	NQR0413-002X	FERRITE BEADS		
R1505	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	K1002	NQR0413-002X	FERRITE BEADS		
R1507	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J	K1003	NQR0413-002X	FERRITE BEADS		
R1511	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	K1004	NQR0413-002X	FERRITE BEADS		
R2001	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J	K1005	NQR0413-002X	FERRITE BEADS		
R2002	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	K1401	NQR0413-002X	FERRITE BEADS		
R2003	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J	K1501	NQR0413-002X	FERRITE BEADS		
R2004	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	K2001	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R2005	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J	K2002	NQR0413-002X	FERRITE BEADS		
R2006	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	K2003	NQR0413-002X	FERRITE BEADS		
R2007	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	K2004	NQR0413-002X	FERRITE BEADS		
R2008	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	K2201	NQR0413-002X	FERRITE BEADS		
R2009	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	X1001	NAX0587-001X	CXO	54.0000MHz	
R2010	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J					
R2011	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2012	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2013	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2014	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2015	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2016	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2017	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2018	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2019	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2020	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2021	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2022	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2025	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J					
R2026	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J					
R2027	NRSA63J-182X	MG RESISTOR	1.8kΩ	1/16W J					
R2028	NRSA63J-182X	MG RESISTOR	1.8kΩ	1/16W J					
R2029	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J					
R2030	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J					
R2031	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J					
R2032	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J					
R2034	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J					
R2036	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J					
R2037	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2039	NRSA63D-471X	MG RESISTOR	470Ω	1/16W D					
R2040	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2041	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2042	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J					
R2043	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J					
R2044	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J					
R2046	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2047	NRSA63J-330X	MG RESISTOR	33Ω	1/16W J					

MAIN POWER P.W. BOARD ASS'Y (SFL-9032A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC9141	BA50BC0FP-X	IC		
△IC9211	FA5500AN-W	IC		
IC9501	F9222L-F219	IC		
△IC9541	UTCTL431-T	IC		
IC9602	M62320FP-X	IC		
IC9901	MP1580HS-X	IC		
Q9021	2SC3928A/QR/-X	TRANSISTOR		
Q9151	2SA1530A/QR/-X	TRANSISTOR		
Q9152	2SD601A/QR/-X	TRANSISTOR		
Q9211	2SK3522-01-F1	POWER MOS FET		
Q9212	2SD601A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	TRANSISTOR		
Q9215	2SD601A/QR/-X	TRANSISTOR		
Q9216	UN2212-X	DIGI TRANSISTOR		
Q9251	UN2213-X	DIGI TRANSISTOR		
Q9252	UN2212-X	DIGI TRANSISTOR		
Q9501	2SD601A/QR/-X	TRANSISTOR		
Q9502	2SK2865-X	POWER MOS FET		
Q9503	2SD601A/QR/-X	TRANSISTOR		
Q9504	2SK2018-01S-W	POWER MOS FET		
Q9505	UN2213-X	DIGI TRANSISTOR		
Q9506	UN2213-X	DIGI TRANSISTOR		

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
Q9507	UN2212-X	DIGI TRANSISTOR		C9541	QECQ1VM-128	E CAPACITOR	1200uF 35V M
Q9531	2SB1188/QR-W	TRANSISTOR		C9544	QECQ1VM-128	E CAPACITOR	1200uF 35V M
Q9541	UN2212-X	DIGI TRANSISTOR		C9545	QECQ1VM-128	E CAPACITOR	1200uF 35V M
Q9542	UN2212-X	DIGI TRANSISTOR		C9551	NCB11HK-104X	C CAPACITOR	0.1uF 50V K
Q9602	2SB1188/QR-W	TRANSISTOR		C9606	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
Q9603	UN2212-X	DIGI TRANSISTOR		C9609	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q9604	UN2212-X	DIGI TRANSISTOR		C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J
Q9608	2SB1188/QR-W	TRANSISTOR		C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J
Q9901	2SD601A/QR-X	TRANSISTOR		C9613	NBZ0017-106X	SP E CAPACITOR	10uF 25V M
D9001	MA8047-X	Z DIODE		C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D9021	MA111-X	SI DIODE		C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M
D9111	S1WB/A/60-4101	BRIDGE DIODE		C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
D9151	MA8024-X	Z DIODE		C9906	NCB31HK-222X	C CAPACITOR	2200pF 50V K
△D9201	TS25P05G-C2	BRIDGE DIODE		C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
D9202	MA111-X	SI DIODE		C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
D9205	MA3082/M-X	Z DIODE		C9913	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
D9211	YG972S6R	SI DIODE		C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D9213	MA111-X	SI DIODE		△R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
D9214	MA111-X	SI DIODE		R9003	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
D9215	D1FL20U-X	SI DIODE		R9004	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
D9251	MA3100/M-X	Z DIODE		R9005	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
D9252	MA111-X	SI DIODE		R9021	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
D9253	MA111-X	SI DIODE		R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
D9254	D1FL20U-X	SI DIODE		R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
D9501	MA8220/M-X	Z DIODE		R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
D9502	MA8110/H-X	Z DIODE		R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
D9503	D1FL20U-X	SI DIODE		R9148	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
D9504	D1FL20U-X	SI DIODE		R9151	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
D9505	MA8220/M-X	Z DIODE		R9152	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
D9507	D1FL20U-X	SI DIODE		R9153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
D9508	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	R9154	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
D9509	SD883-04-X	IC		R9155	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
D9512	D1FS4-X	SB DIODE		R9156	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
D9514	PTZ27B-X	Z DIODE		R9157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D9515	PTZ27B-X	Z DIODE		△R9199	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K
D9531	MA8220/M-X	Z DIODE		△R9201	QRZ9055-8R2	FUSI RESISTOR	8.2Ω 2W K
D9542	FCH20A10	SB DIODE		R9203	NRS12BJ-681W	MG RESISTOR	680Ω 1/2W J
D9543	FCH20A10	SB DIODE		R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
D9546	FCH20A10	SB DIODE		R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
D9901	EC30HA03L-X	SB DIODE		R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
D9902	MA111-X	SI DIODE		R9214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
D9903	EC30HA03L-X	SB DIODE		R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
D9906	PTZ11B-X	Z DIODE		R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
△C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
△C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
△C9011	QCZ9071-471	C CAPACITOR	470pF AC400V K	R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
△C9013	QCZ9071-471	C CAPACITOR	470pF AC400V K	R9220	QRM059J-R22	MP RESISTOR	0.22Ω 5W J
△C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9221	QRM059J-R18	MP RESISTOR	0.18Ω 5W J
△C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
△C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9111	QEZ0709-106	E CAPACITOR	10uF 450V M	R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J
C9151	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C9197	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R9229	NRSA63D-274X	MG RESISTOR	270kΩ 1/16W D
△C9198	QCZ9071-471	C CAPACITOR	470pF AC400V K	R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
△C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
△C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
△C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
C9211	QFZ0222-105	MM CAPACITOR	1uF 450V K	R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9213	NCB21CK-105X	C CAPACITOR	1uF 16V K	R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C9216	QEZ0739-337	E CAPACITOR	330uF	R9257	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9501	QRL039J-103	OMF RESISTOR	10kΩ 3W J
C9219	QCZ0354-331Z	C CAPACITOR	330pF 2kV K	R9502	QRL039J-103	OMF RESISTOR	10kΩ 3W J
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9252	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9508	QRT029J-R56	MF RESISTOR	0.56Ω 2W J
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R9509	QRM059J-R22	MP RESISTOR	0.22Ω 5W J
C9505	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9506	NCB31HK-331X	C CAPACITOR	330pF 50V K	R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9509	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M	R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9511	QFZ0209-393	MPP CAPACITOR	0.039uF	R9516	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J
C9512	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9517	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
C9520	NCB31HK-331X	C CAPACITOR	330pF 50V K	R9518	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J
C9531	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J
C9532	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9520	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
C9533	QEHR1HM-476Z	E CAPACITOR	47uF 50V M	R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
				R9522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

△Ref No.	Part No.	Part Name	Description	Local
R9524	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J	
R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R9527	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9529	QRL039J-681	OMF RESISTOR	680Ω 3W J	
R9531	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9532	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9533	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9534	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9541	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9542	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R9543	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9544	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9545	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R9546	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9547	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9548	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R9550	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9552	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9553	NRS12BJ-222W	MG RESISTOR	2.2kΩ 1/2W J	
R9561	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R9562	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9563	QRZ0121-561	UNF VWV RESISTOR	560Ω 5W J	
R9603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9604	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9605	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9631	NRSA02J-332X	MG RESISTOR	3.3kΩ 1/10W J	
R9632	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9635	NRS12BJ-221W	MG RESISTOR	220Ω 1/2W J	
R9637	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9903	NRSA63D-103X	MG RESISTOR	100kΩ 1/16W D	
R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D	
R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9141	NQL52EN-4R7X	COIL	4.7uH N	
L9201	QQR1662-001	CHOKE COIL		
L9202	QQR1513-001	CHOKE COIL		
L9902	NQR0562-001X	CHOKE COIL		
L9903	NQR0562-001X	CHOKE COIL		
L9904	NQL63EM-470X	COIL	47uH M	
△T9121	QAL0425-001	POWER MODULE		
△T9501	QQS0347-002	SW TRANSF		
△T9502	QQS0347-002	SW TRANSF		
CN0006	QGB2501J1-07	CONNECTOR	B-B (1-7)	
CN0007	QGB2501J1-10	CONNECTOR	B-B (1-10)	
CN000H	QGF1201C2-21	CONNECTOR	FFC/FPC (1-21)	
△CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
△CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
△F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9111	NQR0499-001X	FERRITE BEADS		
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K9502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K9503	NQR0499-002X	FERRITE BEADS		
K9504	NQR0499-002X	FERRITE BEADS		
K9505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K9506	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9507	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9509	NQR0499-002X	FERRITE BEADS		
△LF9001	QQR1655-001	LINE FILTER		
△LF9002	QQR1281-005	LINE FILTER		
△LF9003	QQR1654-001	LINE FILTER		
△PC9001	PS2581AL2/QW/-W	PHOTO COUPLER		
△PC9541	PS2581AL2/QW/-W	PHOTO COUPLER		
△PC9542	PS2581AL2/QW/-W	PHOTO COUPLER		
△PC9543	PS2581AL2/QW/-W	PHOTO COUPLER		
△RY9021	QSK0162-001	RELAY		
△RY9201	QSK0163-001	RELAY		
△VA9001	QAF0060-621	VARIATOR	620V	

REGULATOR P.W. BOARD ASS'Y (SFL-9132A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC9801	MP1580HS-X	IC		
IC9821	MP1583DN-X	IC		
IC9841	MP1580HS-X	IC		
IC9861	MP1580HS-X	IC		
IC9881	LM393DR-X	IC		
Q9801	2SC3928A/QR/-X	TRANSISTOR		
Q9821	2SC3928A/QR/-X	TRANSISTOR		
D9802	SD883-04-X	IC		
D9803	MA111-X	SI DIODE		
D9804	MA3030/H/-X	Z DIODE		
D9805	PTZ6.8B-X	Z DIODE		
D9822	EC30HA03L-X	SB DIODE		
D9823	PTZ6.8B-X	Z DIODE		
D9824	MA111-X	SI DIODE		
D9825	EC30HA03L-X	SB DIODE		
D9842	EC30HA03L-X	SB DIODE		
D9843	PTZ3.9B-X	Z DIODE		
D9861	MA111-X	SI DIODE		
D9862	EC30HA03L-X	SB DIODE		
D9863	PTZ3.9B-X	Z DIODE		
D9864	EC30HA03L-X	SB DIODE		
D9881	UDZS9.1B-X	Z DIODE		
D9882	MA111-X	SI DIODE		
C9803	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9804	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9805	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9806	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9810	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9821	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9825	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9826	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9827	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9830	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
C9831	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9843	NCJ41EK-106X-U	C CAPACITOR	120pF 50V J	
C9844	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9845	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9846	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9847	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9848	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9861	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9862	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C9864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9865	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9866	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9867	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9868	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9881	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9882	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9883	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9884	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
R9803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9805	NRAV02D-473X	CMF RESISTOR	47kΩ 1/10W D	
R9806	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9807	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9808	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9809	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9810	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9811	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9812	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9822	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9823	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9824	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9825	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9826	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9827	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9828	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9829	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9830	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9831	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9841	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9843	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9844	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R9845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9846	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9847	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9848	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9849	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9861	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9862	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description Local
R9863	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J
R9864	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9866	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R9867	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9868	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R9869	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9881	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
R9882	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R9883	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R9884	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9885	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
R9886	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
L9802	NQL98EM-150X	COIL	15uH M
L9822	NQL71EM-150X	COIL	15uH M
L9823	NQR0562-003X	CHOKE COIL	
L9842	NQL98EM-150X	COIL	15uH M
L9862	NQL98EM-150X	COIL	15uH M
CN9806	QGB2501K2-07	CONNECTOR	B-B (1-7)
CN9807	QGB2501K2-10	CONNECTOR	B-B (1-10)

SUB POWER P.W. BOARD ASS'Y (SFL-9702A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC9001	STR-W6765-F5	IC	
IC9051	TL431/A-T	IC	
IC9051	UTCTL431-T	IC	
D9001	MTZJ33B-T2	Z DIODE	
D9004	FR105GT-T3	SI DIODE	
D9005	1SS133-T2	SI DIODE	
D9006	FR105GT-T3	SI DIODE	
D9008	SARS01-T2	SI DIODE	
D9009	SARS01-T2	SI DIODE	
D9011	1SS133-T2	SI DIODE	
D9021	D2SBA60	BRIDGE DIODE	
D9022	FR105GT-T3	SI DIODE	
D9023	1SS133-T2	SI DIODE	
D9051	RU4YX-F1	SI DIODE	
D9052	RU4YX-F1	SI DIODE	
D9053	FMX-22S	SI DIODE	
D9054	FR105GT-T3	SI DIODE	
D9055	MTZJ33B-T2	Z DIODE	
D9056	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
D9071	RU4YX-F1	SI DIODE	
C9001	QEZO169-337	E CAPACITOR	330uF
C9002	QFP32JK-332	PP CAPACITOR	3300pF 630V K
C9003	QCZO340-471	C CAPACITOR	470pF 2kV K
C9004	QCS31HJ-471Z	C CAPACITOR	470pF 50V J
C9006	QCB31HK-152Z	C CAPACITOR	1500pF 50V K
C9008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J
C9010	QEHR1HM-335Z	E CAPACITOR	3.3uF 50V M
C9011	QEHR1HM-226Z	E CAPACITOR	22uF 50V M
C9012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J
△C9024	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M
C9051	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9053	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9054	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9055	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
C9057	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J
C9060	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9072	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9073	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C9078	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J
△C9901	QCZ9079-471	C CAPACITOR	470pF AC250V K
R9001	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J
R9002	QRX01GJ-R39	MF RESISTOR	0.39Ω 1W J
R9003	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
R9004	QRL039J-473	OMF RESISTOR	47kΩ 3W J
R9006	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R9008	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J
R9009	QRL039J-220	OMF RESISTOR	22Ω 3W J
△R9010	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J
R9011	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J
R9012	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9021	QRF074K-3R3	UNF WW RESISTOR	3.3Ω 7W K
R9022	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R9023	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R9024	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
R9050	QRG01GJ-821	OMF RESISTOR	820Ω 1W J
R9051	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9053	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J
R9055	QRA14CF-1802Y	CMF RESISTOR	18kΩ 1/4W F

△Ref No.	Part No.	Part Name	Description Local
R9057	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F
R9059	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9060	QRL029J-152	OMF RESISTOR	1.5kΩ 2W J
R9071	QRG01GJ-821	OMF RESISTOR	820Ω 1W J
△T9001	QQS0341-001	SW TRANSF	
CN900D	WJK0211-001A-E	E-SI C WIRE C-B	
△CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V
△CP9051	ICP-N70-T	IC PROTECTOR	2.5A
△CP9071	ICP-N70-T	IC PROTECTOR	2.5A
△CP9072	ICP-N70-T	IC PROTECTOR	2.5A
△CP9073	ICP-N50-T	IC PROTECTOR	2.0A
K9051	QQR0621-002Z	FERRITE BEADS	
K9071	QQR0621-002Z	FERRITE BEADS	
K9073	QQR0621-002Z	FERRITE BEADS	
△PC9001	PS2581AL1/QW/	PHOTO COUPLER	

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFL0D134A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC0401	SN74AHCT1G32V-X	IC	
IC1001	TC90A92AFG	IC	
IC1002	MM1572FN-X	IC	
IC1003	R1141Q151D-X	IC	
IC1502	NJM2235V-X	IC	
IC3001	JCC5055A	IC	
IC3004	TC7MB3257FK-X	IC	
IC3005	SN74LVC1G08V-X	IC	
IC3006	SN74LVC2G126T-X	IC	
IC3007	SN74LVC3G17U-X	IC	
IC3008	R1170H331B-X	IC	
IC3403	S-80928CLNB-G-W	IC	
IC3501	EDD1232AAFA-7A	IC	
IC3502	EDD1232AAFA-7A	IC	
IC3503	LP2996MR-X	IC	
IC4001	JCC5057	IC	
IC4003	AT29LE-40X776SA	IC(MICRO C ROM)	(SERVICE)
IC4004	ATF256-40X776S1	IC	(SERVICE)
IC4005	SN74LVC1G08V-X	IC	
IC6502	THC63LVDM83R-W	IC	
IC7001	MN102H60KPH1	IC(MCU)	
IC7002	ATF256-40X776S2	IC	(SERVICE)
IC7003	SN74LVC2G241T-X	IC	
IC7401	S-80928CLNB-G-W	IC	
IC7601	M306V7MG-125FP	IC(MCU)	
IC7602	ATF16-40X776SA	IC	(SERVICE)
IC7603	SN74LVC1G04V-X	IC	
IC7607	MM1510XN-X	IC	
IC7608	MM1510XN-X	IC	
IC7609	SN74LVC1G08V-X	IC	
IC9201	MP1580HS-X	IC	
Q0101	2SC3837K/NP/-X	TRANSISTOR	
Q0102	2SA1022/BC/-X	TRANSISTOR	
Q0104	2SA1022/BC/-X	TRANSISTOR	
Q0107	2SA1530A/QR/-X	TRANSISTOR	
Q0108	2SC3928A/QR/-X	TRANSISTOR	
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q0201	2SC3837K/NP/-X	TRANSISTOR	
Q0202	2SA1022/BC/-X	TRANSISTOR	
Q0204	2SA1022/BC/-X	TRANSISTOR	
Q0207	2SA1530A/QR/-X	TRANSISTOR	
Q0208	2SC3928A/QR/-X	TRANSISTOR	
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q0301	2SC3837K/NP/-X	TRANSISTOR	
Q0302	2SA1022/BC/-X	TRANSISTOR	
Q0304	2SA1022/BC/-X	TRANSISTOR	
Q0307	2SA1530A/QR/-X	TRANSISTOR	
Q0308	2SC3928A/QR/-X	TRANSISTOR	
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q1001	UN2213-X	DIGI TRANSISTOR	
Q1003	2SC3928A/QR/-X	TRANSISTOR	
Q1004	2SC3928A/QR/-X	TRANSISTOR	
Q1101	2SC3928A/QR/-X	TRANSISTOR	
Q1103	2SA1530A/QR/-X	TRANSISTOR	
Q1201	2SC3928A/QR/-X	TRANSISTOR	
Q1203	2SA1530A/QR/-X	TRANSISTOR	
Q1301	2SC3928A/QR/-X	TRANSISTOR	
Q1303	2SA1530A/QR/-X	TRANSISTOR	
Q1401	2SC3928A/QR/-X	TRANSISTOR	
Q1403	2SA1530A/QR/-X	TRANSISTOR	
Q3001	2SC3928A/QR/-X	TRANSISTOR	
Q3002	2SA1530A/QR/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
Q3003	2SC3928A/QR/-X	TRANSISTOR		C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q3004	2SA1530A/QR/-X	TRANSISTOR		C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
Q6501	2SC3928A/QR/-X	TRANSISTOR		C1042	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
Q6502	2SC3928A/QR/-X	TRANSISTOR		C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7206	UN2213-X	DIGI TRANSISTOR		C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7207	UN2113-X	TRANSISTOR		C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7208	UN2113-X	TRANSISTOR		C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C1048	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D1001	EC30HA03L-X	SB DIODE		C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D1002	EC30HA03L-X	SB DIODE		C1050	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D2101	1SS355-X	SI DIODE		C1051	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D7001	1SS355-X	SI DIODE		C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J
D7003	RB501V-40-X	SB DIODE		C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
D7005	UDZS8.2B-X	Z DIODE		C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
D7006	UDZS8.2B-X	Z DIODE		C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7007	UDZS8.2B-X	Z DIODE		C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D7008	UDZS8.2B-X	Z DIODE		C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
D7009	UDZS8.2B-X	Z DIODE		C1067	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D7010	1SS355-X	SI DIODE		C1068	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
D7203	1SS355-X	SI DIODE		C1069	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
D9201	EC30HA03L-X	SB DIODE		C1071	NBE20GM-106X	TA E CAPACITOR	10uF 4V M
D9203	PTZ3.9B-X	Z DIODE		C1072	NBE20GM-106X	TA E CAPACITOR	10uF 4V M
D9204	1SS355-X	SI DIODE		C1073	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
				C1074	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C0104	NDC31HJ-390X	C CAPACITOR	39pF 50V J	C1075	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C0105	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1076	NBE20GM-106X	TA E CAPACITOR	10uF 4V M
C0107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1077	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1103	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1107	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1111	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0204	NDC31HJ-390X	C CAPACITOR	39pF 50V J	C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0205	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1302	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1304	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0215	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0304	NDC31HJ-390X	C CAPACITOR	39pF 50V J	C1311	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C0305	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1402	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C0307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1404	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1406	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1411	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C0314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C0315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C2036	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2101	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C1002	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C2102	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C3006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C3010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C3018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3019	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3021	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3025	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3026	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	C3049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1037	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3069	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3072	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3074	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3076	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3112	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6522	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
C3127	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3128	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3129	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7025	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7203	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7402	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7403	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C3519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3530	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3543	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C3548	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3550	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9001	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C4003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9002	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9003	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9004	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C9005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9006	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9101	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	C9209	NELA1AM-157X	E CAPACITOR	150uF 10V M
C4022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C4023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R0106	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R0206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0209	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0219	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0220	NDC31HJ-390X	C CAPACITOR	39pF 50V J	R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R1523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R2056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R2101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R2102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R2104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R2105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0306	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R2122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0307	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R2123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R2125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2151	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R0319	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R2153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0320	NDC31HJ-390X	C CAPACITOR	39pF 50V J	R2154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2157	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1106	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1108	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J

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△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA1005	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA1006	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA2012	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA2013	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA2015	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA2016	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA4013	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA4014	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA4015	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7614	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L0101	NQL092K-R68X	COIL	0.68uH K
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L0201	NQL092K-R68X	COIL	0.68uH K
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L0301	NQL092K-R68X	COIL	0.68uH K
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L0304	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	L1001	NQR0489-002X	FERRITE BEADS	
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	L1002	NQR0489-002X	FERRITE BEADS	
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L1003	NQL092K-1R5X	COIL	1.5uH K
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1004	NQR0489-002X	FERRITE BEADS	
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1005	NQR0489-002X	FERRITE BEADS	
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1006	NQR0489-002X	FERRITE BEADS	
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	L1008	NQL79GM-220X	COIL	22uH M
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1011	NQL79GM-470X	COIL	47uH M
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1101	NQL092K-6R8X	COIL	6.8uH K
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L1103	NQL093K-1R0X	P COIL	1uH K
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L1104	NQL093K-R10X	COIL	0.1uH K
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1201	NQL092K-6R8X	COIL	6.8uH K
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	L1203	NQL092K-1R0X	COIL	1uH K
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L1301	NQL092K-3R3X	COIL	3.3uH K
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L1303	NQL092K-1R0X	COIL	1uH K
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1304	NQL093K-R10X	COIL	0.1uH K
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	L1401	NQL092K-3R3X	COIL	3.3uH K
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	L1403	NQL092K-1R0X	COIL	1uH K
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1404	NQL093K-R10X	COIL	0.1uH K
RA1001	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L1501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1002	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L2101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1004	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J

△Ref No.	Part No.	Part Name	Description Local
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3013	NQL093K-R10X	COIL	0.1uH K
L3014	NQL093K-R10X	COIL	0.1uH K
L3015	NQL093K-R10X	COIL	0.1uH K
L3501	NQR0413-003X	FERRITE BEADS	
L4001	NQR0413-003X	FERRITE BEADS	
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6501	NQR0351-001X	FERRITE BEADS	
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L9001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L9201	NQL71EM-150X	COIL	15uH M

CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
CN005	QGB0603L1-B0	CONNECTOR	B-B (1-110)
J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL IN
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1004	NQR0489-002X	FERRITE BEADS	
K1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K2104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K2106	NQR0489-002X	FERRITE BEADS	
K2107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9001	NQR0413-003X	FERRITE BEADS	
K9002	NQR0413-003X	FERRITE BEADS	
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z
LC0510	NQR0498-001X	EMI FILTER	
LC0511	NQR0498-001X	EMI FILTER	
LC0512	NQR0498-001X	EMI FILTER	
LC0513	NQR0498-001X	EMI FILTER	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M
LC0520	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
LC0522	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
LC0523	NQR0483-006X	EMI FILTER	
LC0524	NQR0483-005X	EMI FILTER	100uF 25V Z
LC0525	NQR0483-006X	EMI FILTER	
LC0526	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
LC0527	NQR0483-006X	EMI FILTER	
LC6501	NQR0479-001X	EMI FILTER	
LC7001	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC7002	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC7003	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
SL7001	NAX0613-001X	C RESONATOR	
X1001	NAX0642-001X	CRYSTAL	
X3001	NAX0635-001X	CXO	
X3003	NAX0668-001X	CXO	
X4001	NAX0669-001X	CRYSTAL	
X7601	NAX0613-001X	C RESONATOR	

RECEIVER P.W. BOARD ASS'Y (SFL0F801A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC3101	CXA2205Q-X	IC	
IC3102	HA17558AF-X	IC	
IC3106	TPS852-W	PHOTO CONDUCTOR	
Q3001	2SA1530A/QR/-X	TRANSISTOR	
Q3002	2SC3928A/QR/-X	TRANSISTOR	
C3001	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C3005	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3006	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3101	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3102	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3104	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3105	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

△Ref No.	Part No.	Part Name	Description Local
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3108	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3111	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3114	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3117	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3118	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K
C3120	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3121	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3122	NCB11AK-335X	C CAPACITOR	3.3uF 10V K
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C3126	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C3129	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3130	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3131	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3132	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3133	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3135	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K
C3138	NCB31CK-683X	C CAPACITOR	0.068uF 16V K
C3155	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C3156	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3111	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3114	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3133	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3139	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3176	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3191	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J

L3001	NQL79GM-100X	COIL	10uH M
L3002	NQL79GM-100X	COIL	10uH M

△TU3001	QAU0430-001	TUNER	
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DIGITAL TUNER MODULE P.W. BOARD ASS'Y (SSD-2101A-M2)

△Ref No.	Part No.	Part Name	Description Local
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△MD001	SSD-2101A-M2	DIGITAL TUNER MODULE PWB	
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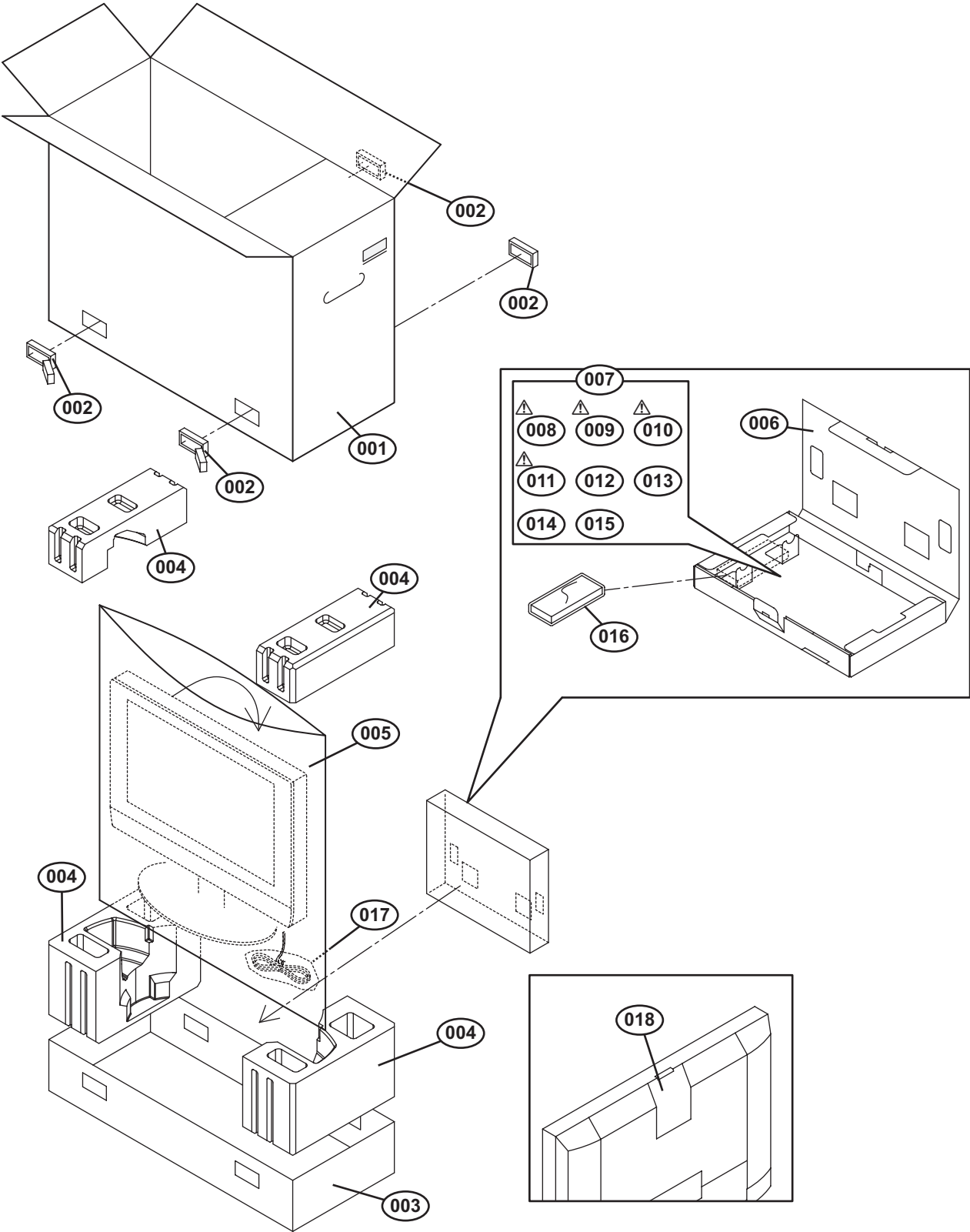
REMOTE CONTROL UNIT PARTS LIST (RM-C14G-1H)

△ Ref No.	Part No.	Part Name	Description	Local
	UR77EC1403A	BATTERY COVER		

PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
001	LC21941-001A-A	PACKING CASE	TOP	
002	LC32958-001A	JOINT	(x4)	
003	LC21942-001A-A	PACKING CASE	BOTTOM	
004	LC12444-001A-A	CUSHION ASSY	4pcs in 1set	
005	CP30974-001	POLY BAG		
006	LC21927-001A-A	ACCESSORY BOX		
007	QPA02503505P	POLY BAG	25cm x 35cm	
△ 008	-----	WARRANTY CARD	BT-52006-2Q	
△ 009	LCT1881-001B-A	INST BOOK	English	
△ 010	LCT1882-001B-A	INST BOOK	French	
△ 011	BT-51034-2Q	REGIST. CARD		
012	-----	BATTERY	R6P/AA(x2)	
013	QAU0382-002	RF SPLITTER		
014	QAM0523-003	RF CABLE	30cm(x2)	
015	LCT1922-001A-A	INST SHEET		
016	RM-C14G-1H	REMOCON		
017	QPA01002305	POLY BAG	10cm x 23cm	
018	LCT1883-001A-A	CAUTION SHEET		

PACKING



JVC

SCHEMATIC DIAGRAMS

LCD FLAT TELEVISION

LT-40X776/s

CD-ROM No.SML200508

BASIC CHASSIS

FL2



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LT-40X776/s

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply




-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated





(5)Test point

-  : Test point
-  : Only test point display



(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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USING P.W. BOARD

P.W.B ASS'Y name	P.W.B ASS'Y number
ANALOG SIGNAL P.W. BOARD	SFL-1123A-M2
CONNECTOR P.W. BOARD	SFL-4122A-M2
FRONT CONTROL P.W. BOARD	SFL-7101A-M2
FRONT LED P.W. BOARD	SFL-8123A-M2
SD CARD P.W. BOARD	SFL-8304A-M2
CARD P.W. BOARD	SFL-8511A-M2
MAIN POWER P.W. BOARD	SFL-9032A-M2
REGULATOR P.W. BOARD	SFL-9132A-M2
SUB POWER P.W. BOARD	SFL-9702A-M2
DIGITAL SIGNAL P.W. BOARD	SFL0D134A-M2
RECEIVER P.W. BOARD	SFL0F801A-M2

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR

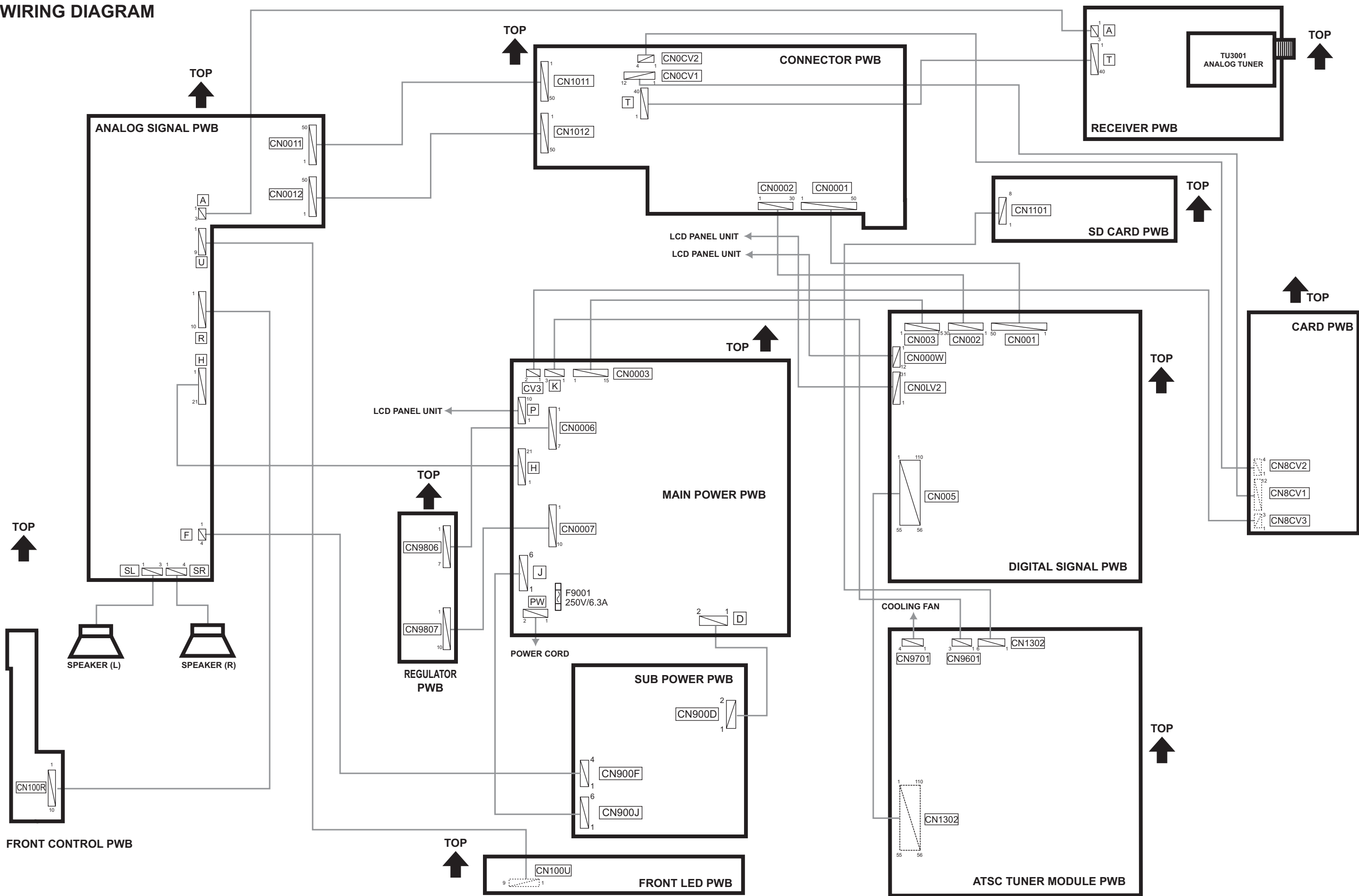
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

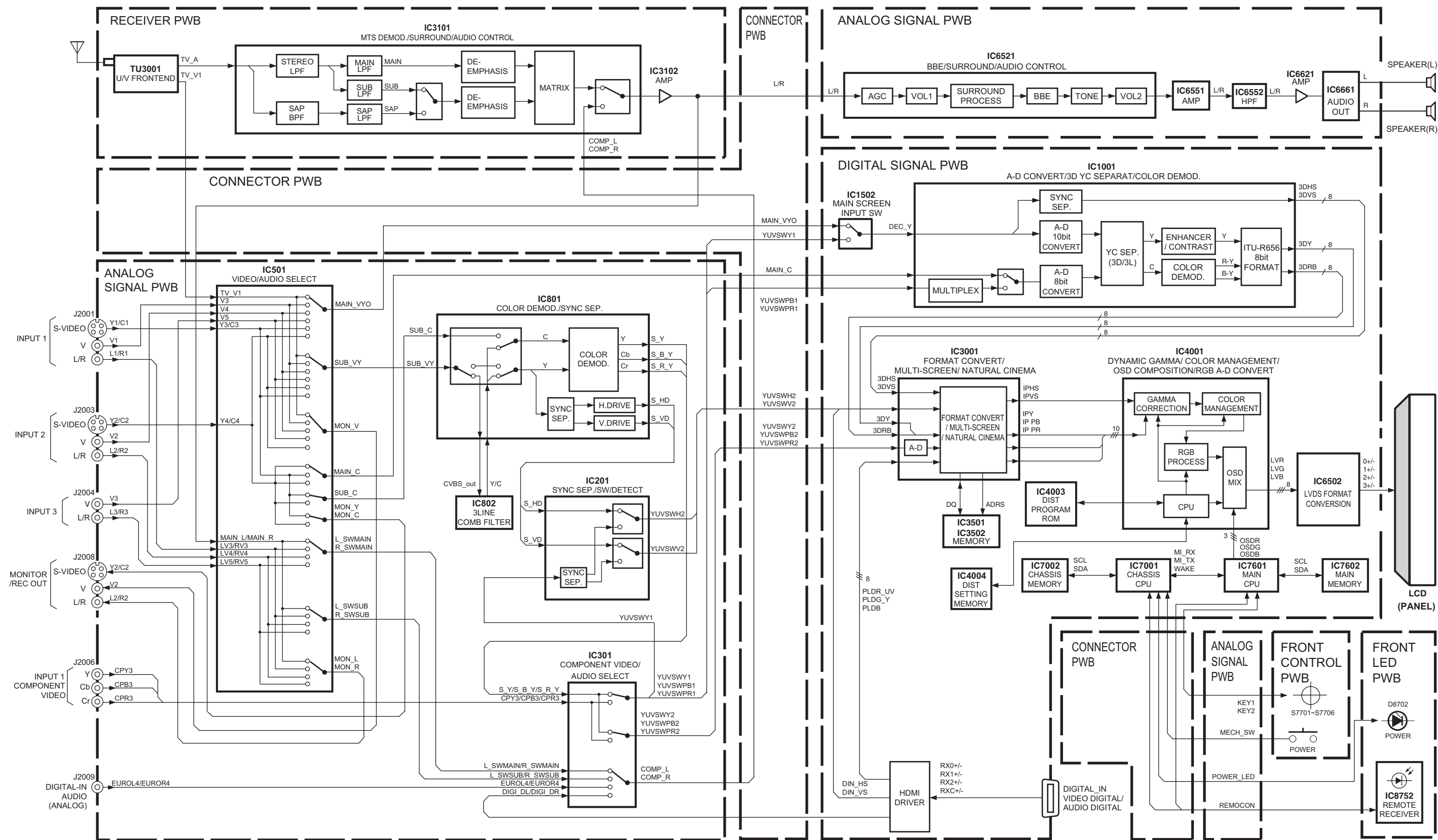
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TOP VIEW		

WIRING DIAGRAM

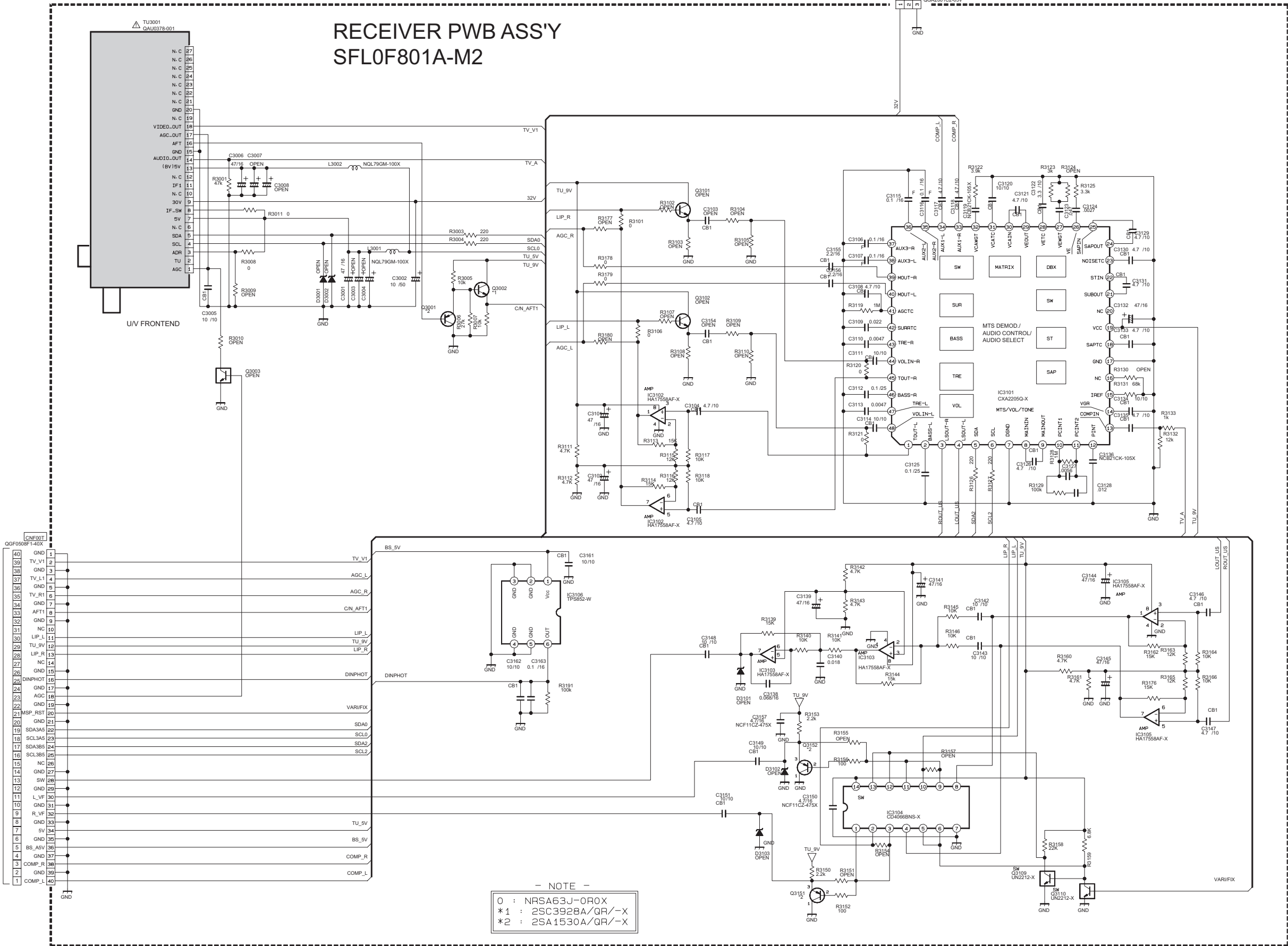


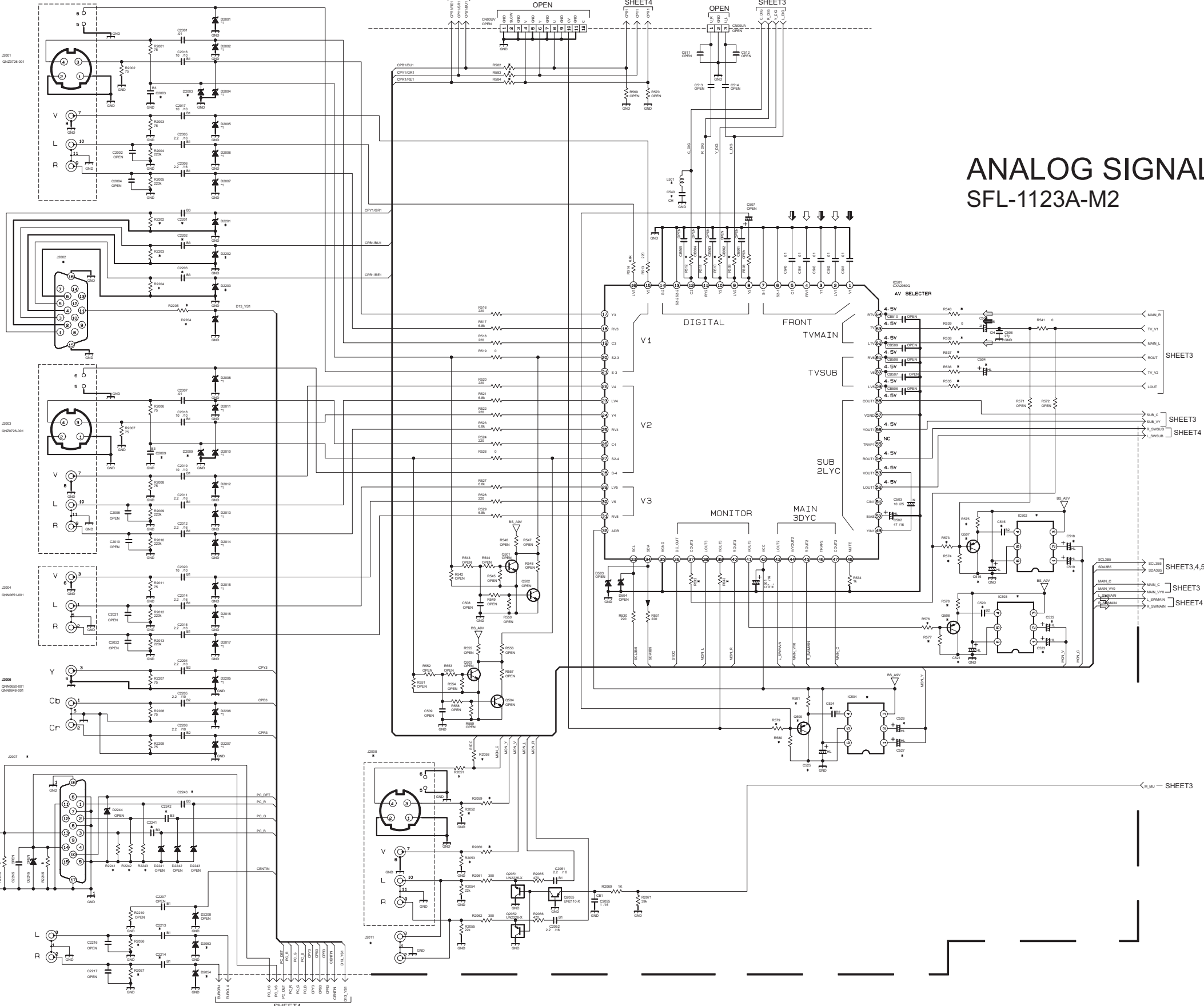
BLOCK DIAGRAM



CIRCUIT DIAGRAMS
RECEIVER PWB CIRCUIT DIAGRAM SHEET1

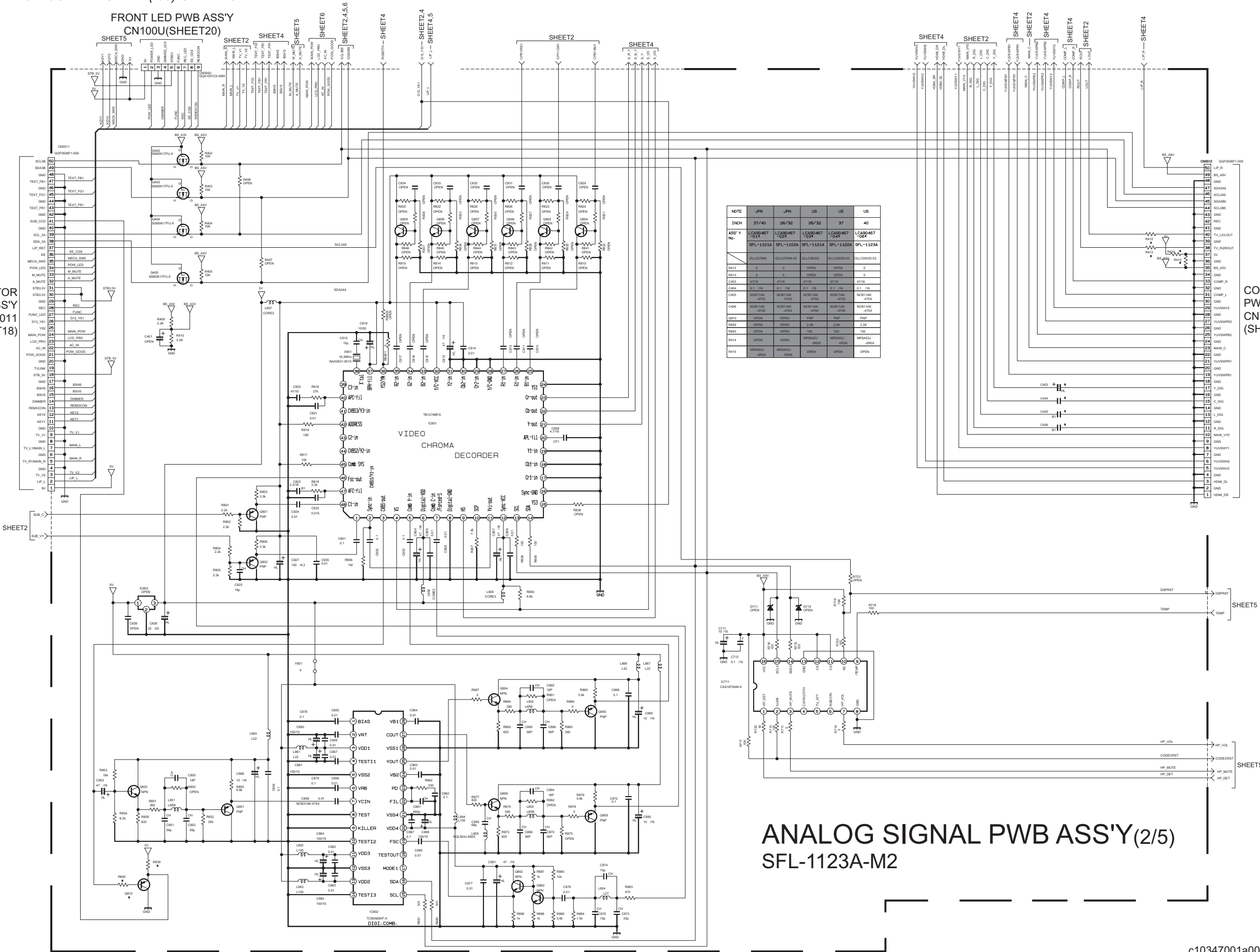
ANALOG SIGNAL
PWB ASS'Y (5/5)
CN00A (SHEET6)

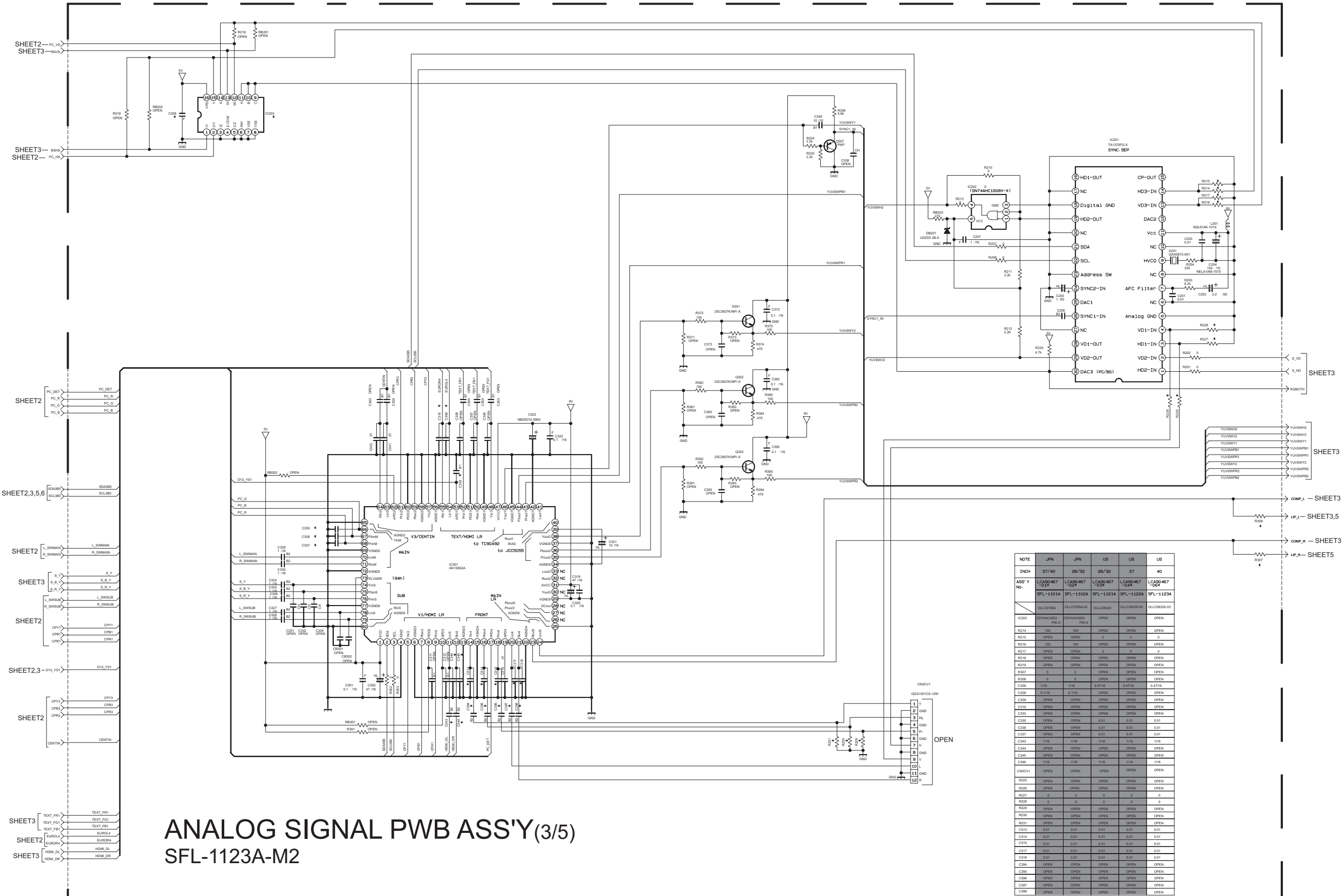




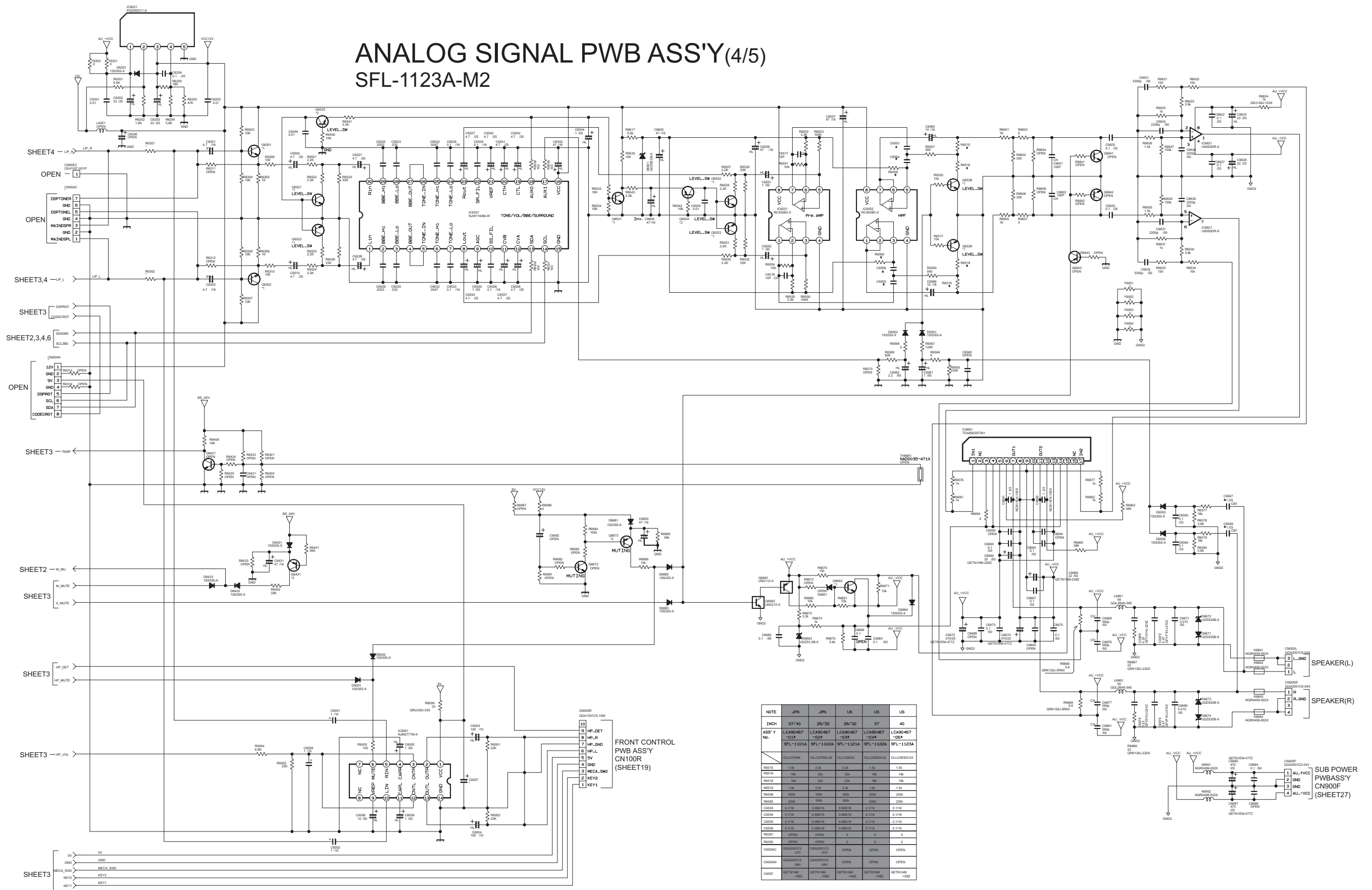
SBE Y No.	LCA047 -01*		LCA0467 -02*		LCA0467 -03*		LCA0467 -04*		LCA0467 -06*	
	SFL-1101A	SFL-1102A	SFL-1101A	SFL-1102A	SFL-1101A	SFL-1102A	SFL-1101A	SFL-1102A	SFL-1101A	SFL-1102A
	OLC0769A	OLC0769A-02	OLC0805A	OLC0805A-02	OLC0805A	OLC0805A-02	OLC0805A	OLC0805A-02	OLC0805A	OLC0805A-02
IC002	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X
IC003	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X
IC004	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X	MM15100A-X
IC007	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP
IC008	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP
IC009	5.1k	5.1k	5.1k	5.1k	5.1k	5.1k	5.1k	5.1k	5.1k	5.1k
IC010	0	0	0	0	0	0	0	0	0	0
IC011	6.8k	6.8k	6.8k	6.8k	6.8k	6.8k	6.8k	6.8k	6.8k	6.8k
IC012	0	0	0	0	0	0	0	0	0	0
IC013	0	0	0	0	0	0	0	0	0	0
IC015	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC016	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC017	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC018	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC019	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC020	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC021	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC022	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC023	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC024	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC025	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC026	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC027	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC028	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC029	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC030	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC031	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC032	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC033	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC034	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC035	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC036	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC037	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC038	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC039	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC040	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC041	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC042	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC043	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC044	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC045	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC046	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC047	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC048	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC049	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC050	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC051	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC052	%	%	%	%	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

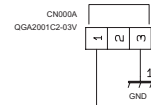
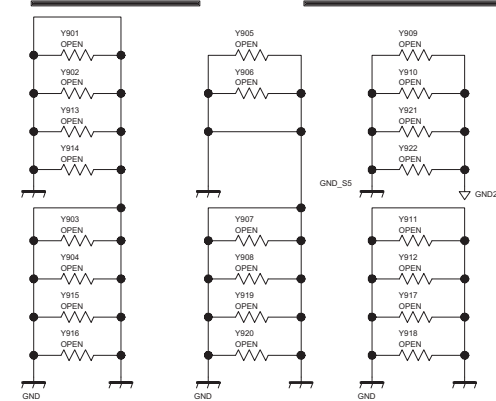
CONNECTOR
PWB ASS'Y
CN1011
(SHEET18)



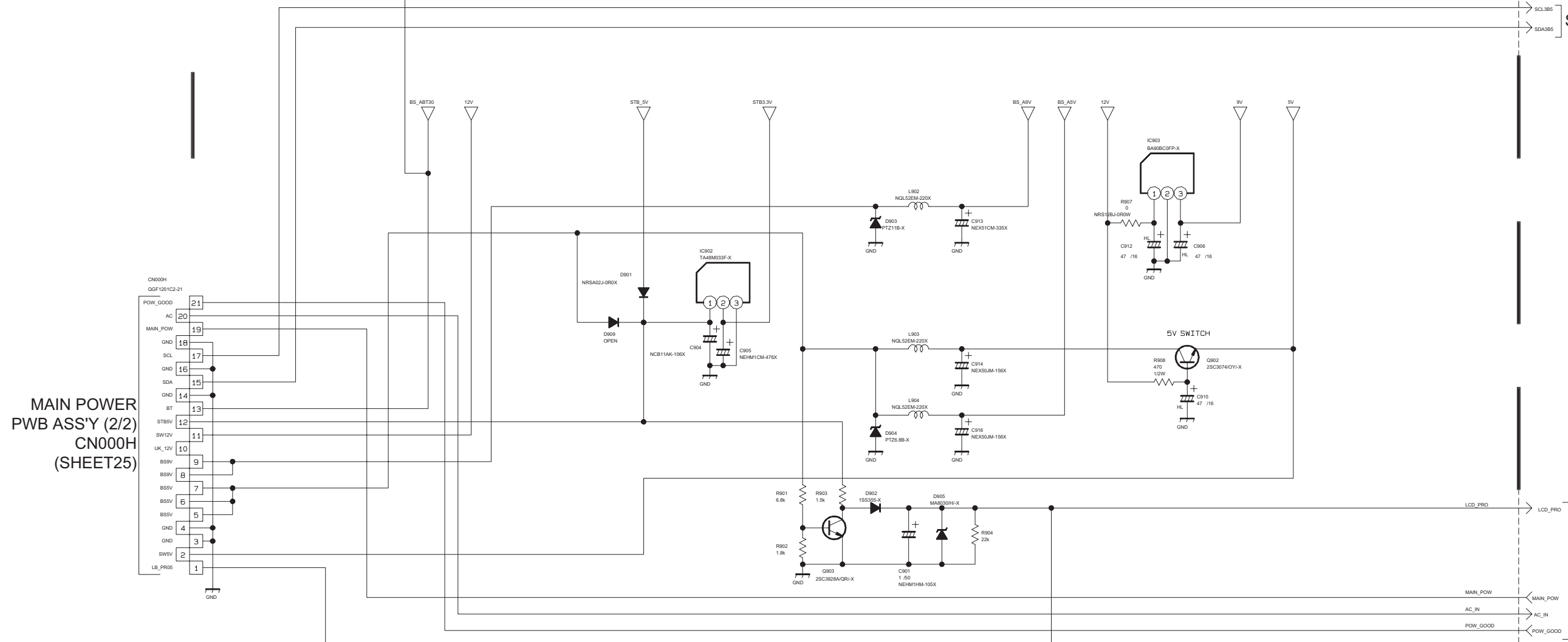


ANALOG SIGNAL PWB ASS'Y(4/5)
SFL-1123A-M2

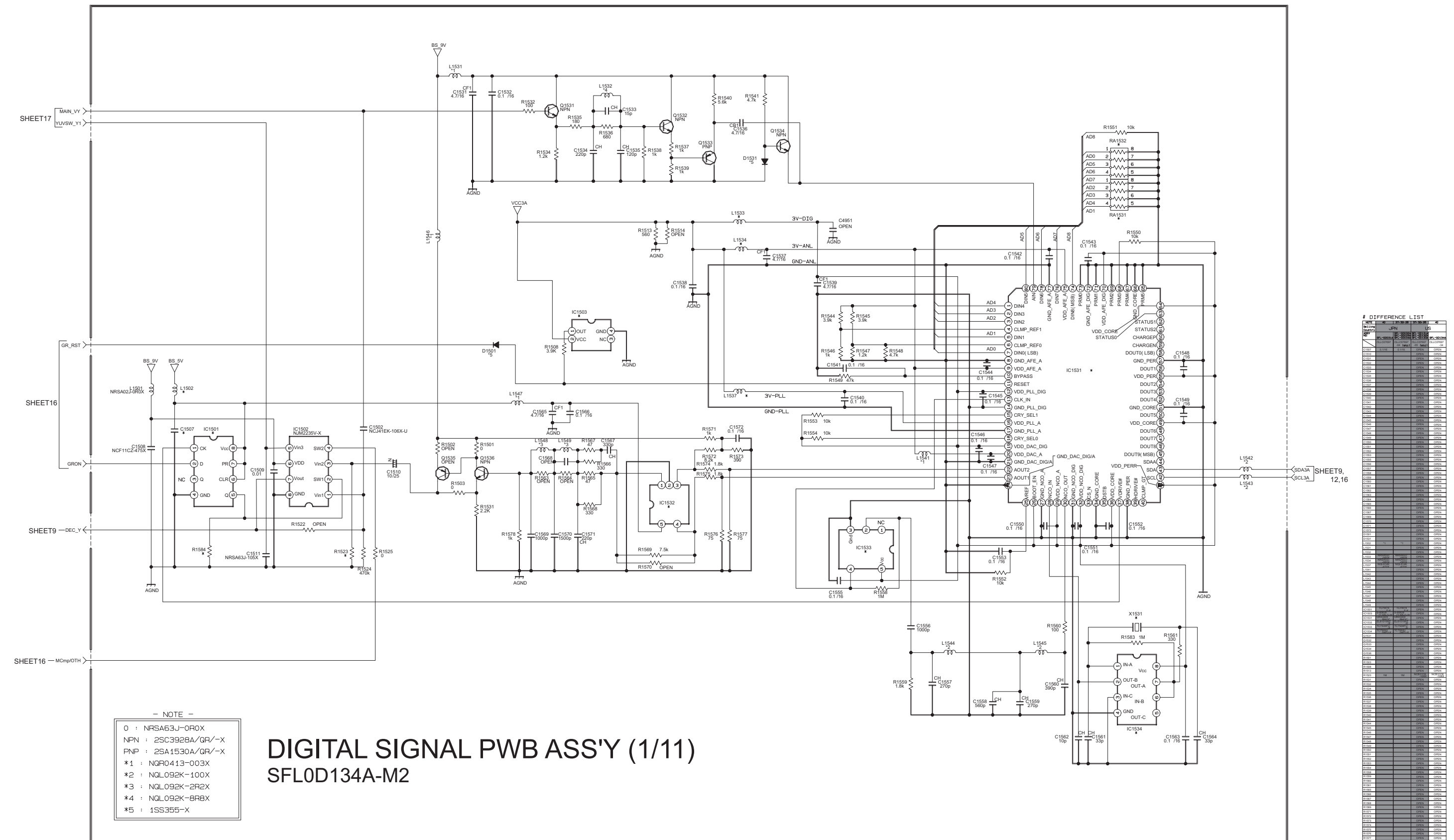


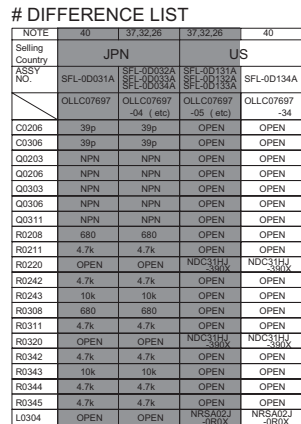
RECEIVER PWB ASS'Y
CNF00A (SHEET1)ANALOG SIGNAL PWB ASS'Y(5/5)
SFL-1123A-M2

SHEET2,3,4,5



SHEET3

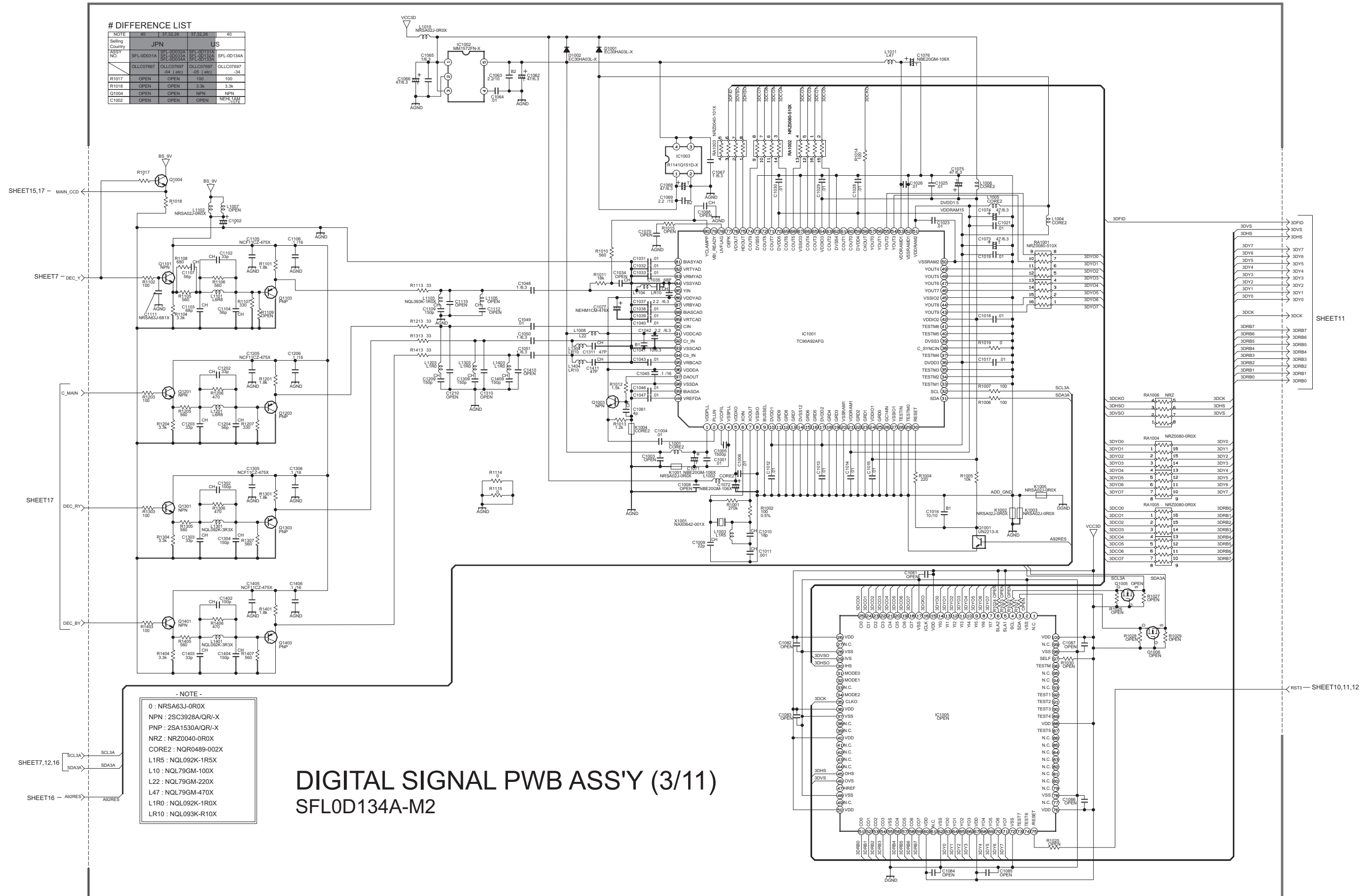


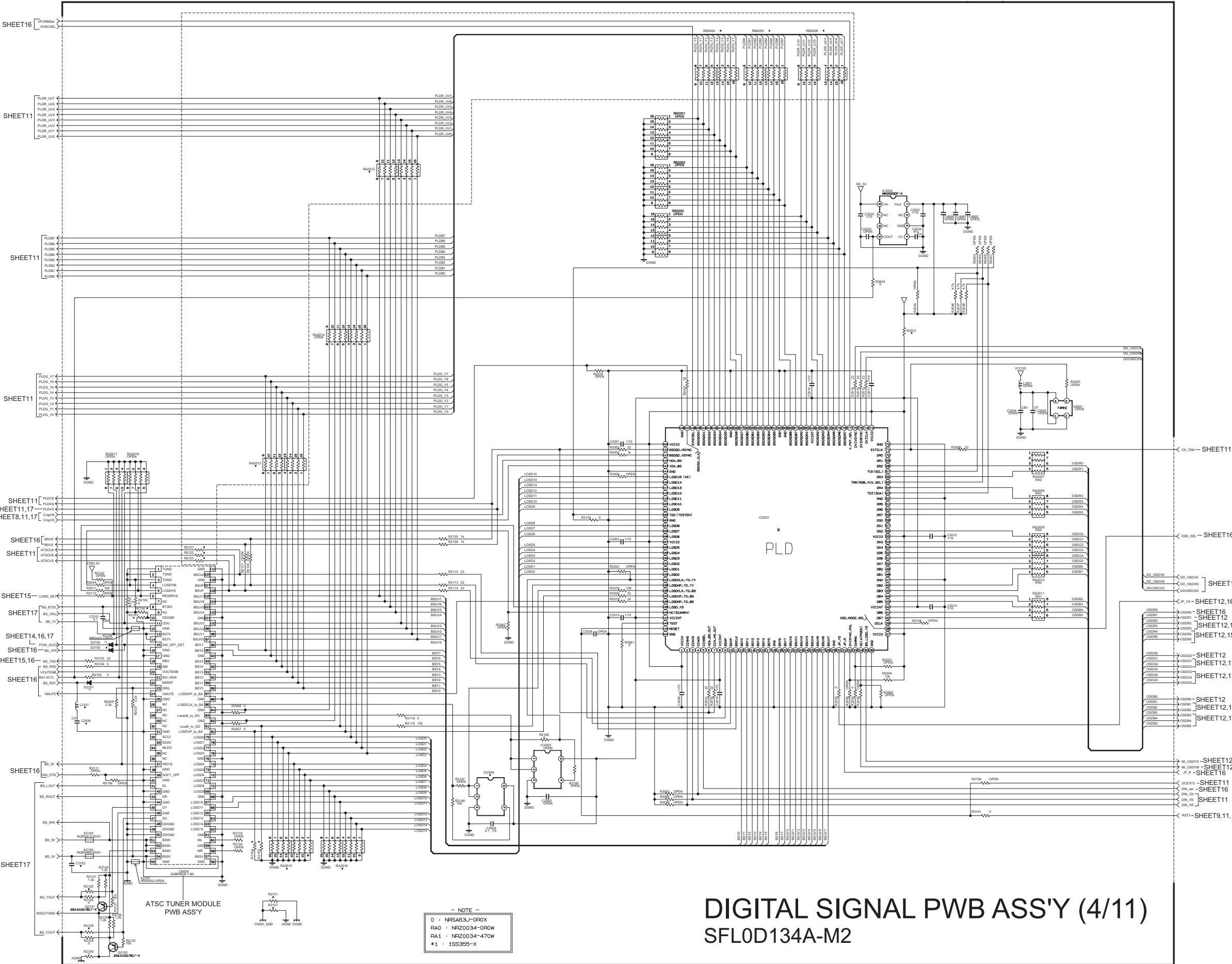


- NOTE -

0 : NRS463J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
*1 : 2SC3837K/NP/-X
*2 : 2SA1022/BC/-X

DIGITAL SIGNAL PWB ASS'Y (2/11)
SFL0D134A-M2

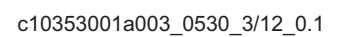


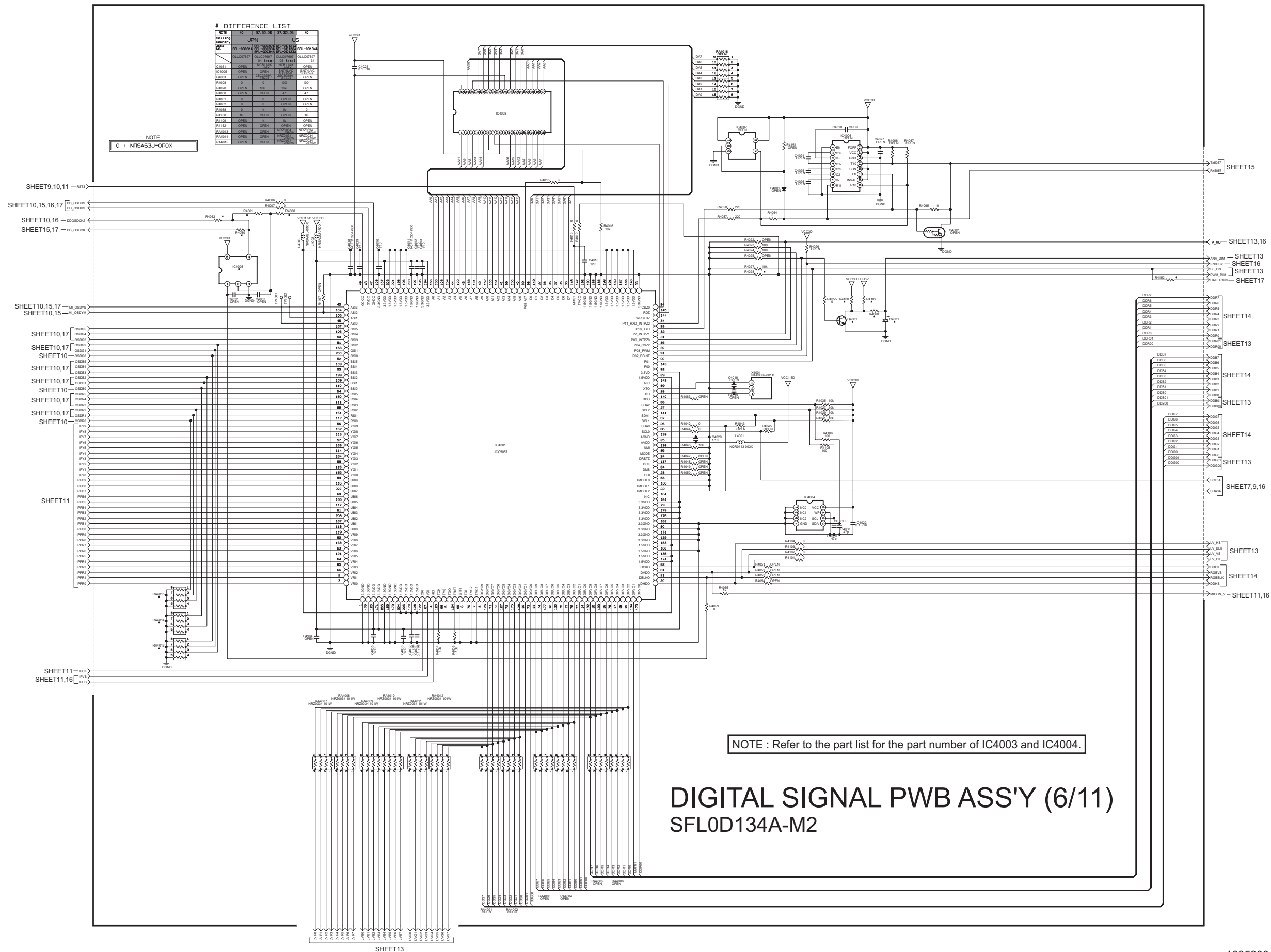


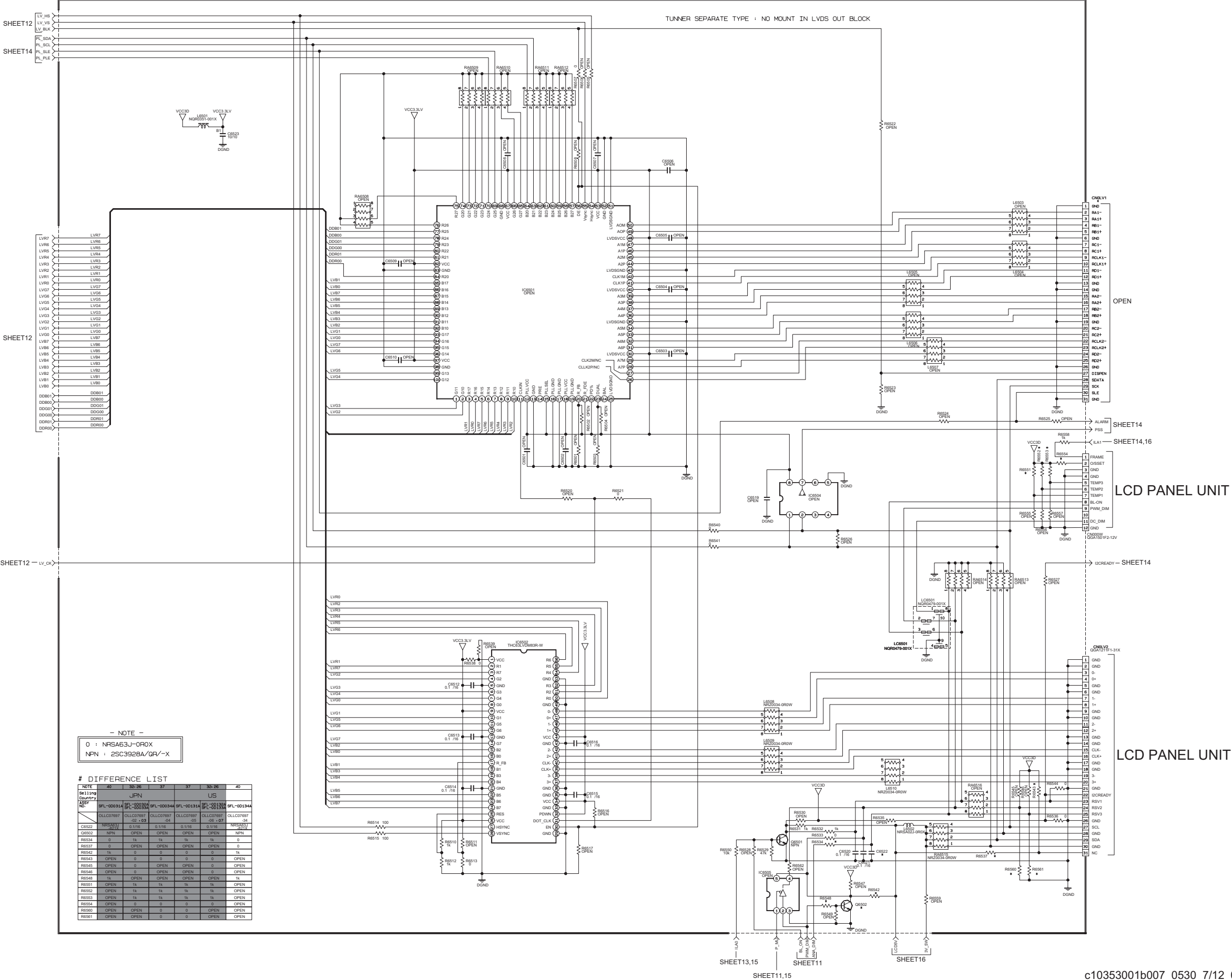
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DIGITAL SIGNAL PWB ASS'Y (4/11)
SFL0D134A-M2

- NOTE -		# DIFFERENCE LIST				
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			2010/01/01	00:01	ADMIN	INITIAL
			2010/01/01	00:02	ADMIN	INITIAL
			2010/01/01	00:03	ADMIN	INITIAL
			2010/01/01	00:04	ADMIN	INITIAL
			2010/01/01	00:05	ADMIN	INITIAL
			2010/01/01	00:06	ADMIN	INITIAL
			2010/01/01	00:07	ADMIN	INITIAL
			2010/01/01	00:08	ADMIN	INITIAL
			2010/01/01	00:09	ADMIN	INITIAL
			2010/01/01	00:10	ADMIN	INITIAL
			2010/01/01	00:11	ADMIN	INITIAL
			2010/01/01	00:12	ADMIN	INITIAL
			2010/01/01	00:13	ADMIN	INITIAL
			2010/01/01	00:14	ADMIN	INITIAL
			2010/01/01	00:15	ADMIN	INITIAL
			2010/01/01	00:16	ADMIN	INITIAL
			2010/01/01	00:17	ADMIN	INITIAL
			2010/01/01	00:18	ADMIN	INITIAL
			2010/01/01	00:19	ADMIN	INITIAL
			2010/01/01	00:20	ADMIN	INITIAL
			2010/01/01	00:21	ADMIN	INITIAL
			2010/01/01	00:22	ADMIN	INITIAL
			2010/01/01	00:23	ADMIN	INITIAL
			2010/01/01	00:24	ADMIN	INITIAL
			2010/01/01	00:25	ADMIN	INITIAL
			2010/01/01	00:26	ADMIN	INITIAL
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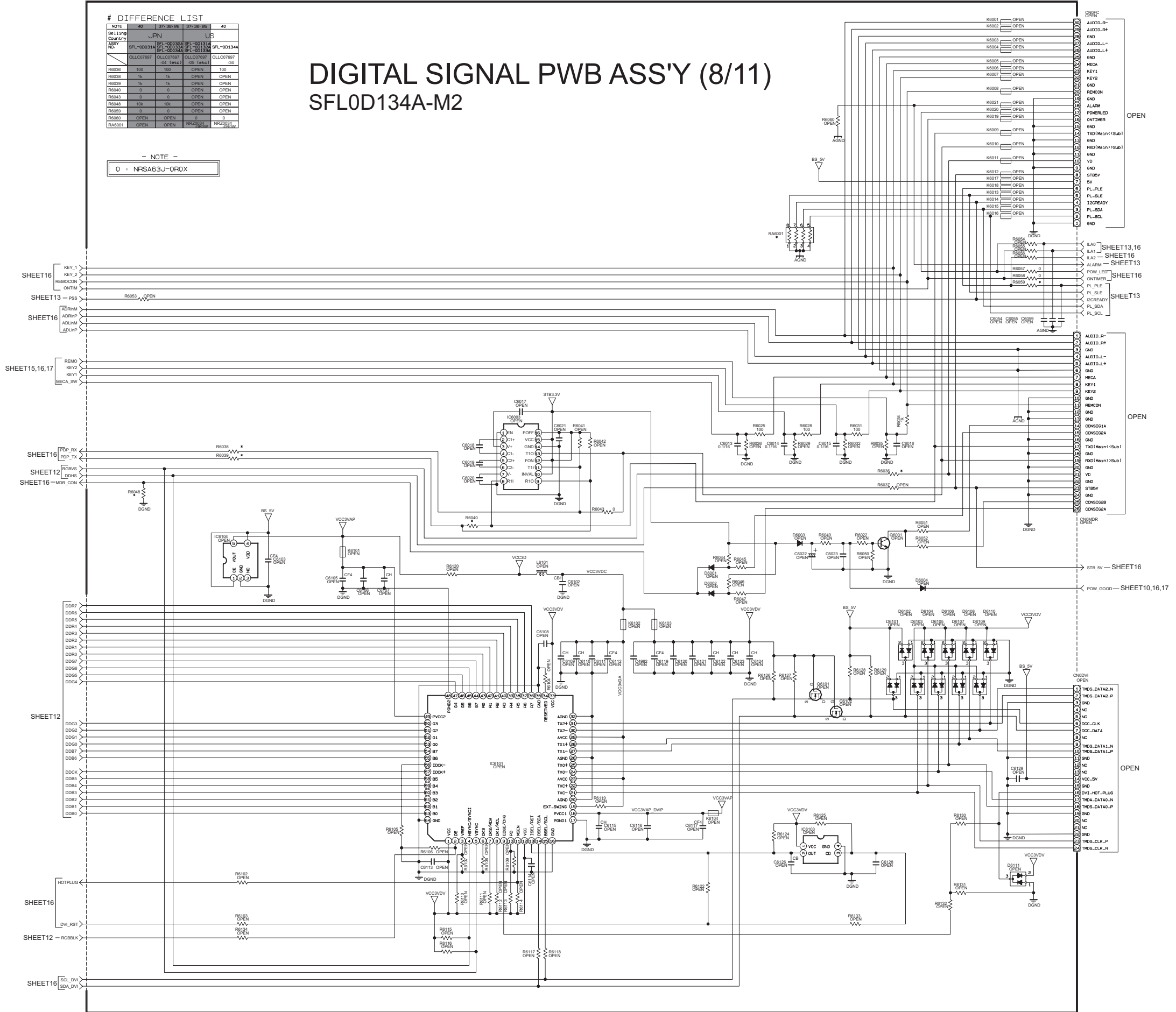
DIGITAL SIGNAL
PWB ASS'Y (7/11)
SFL0D134A-M2

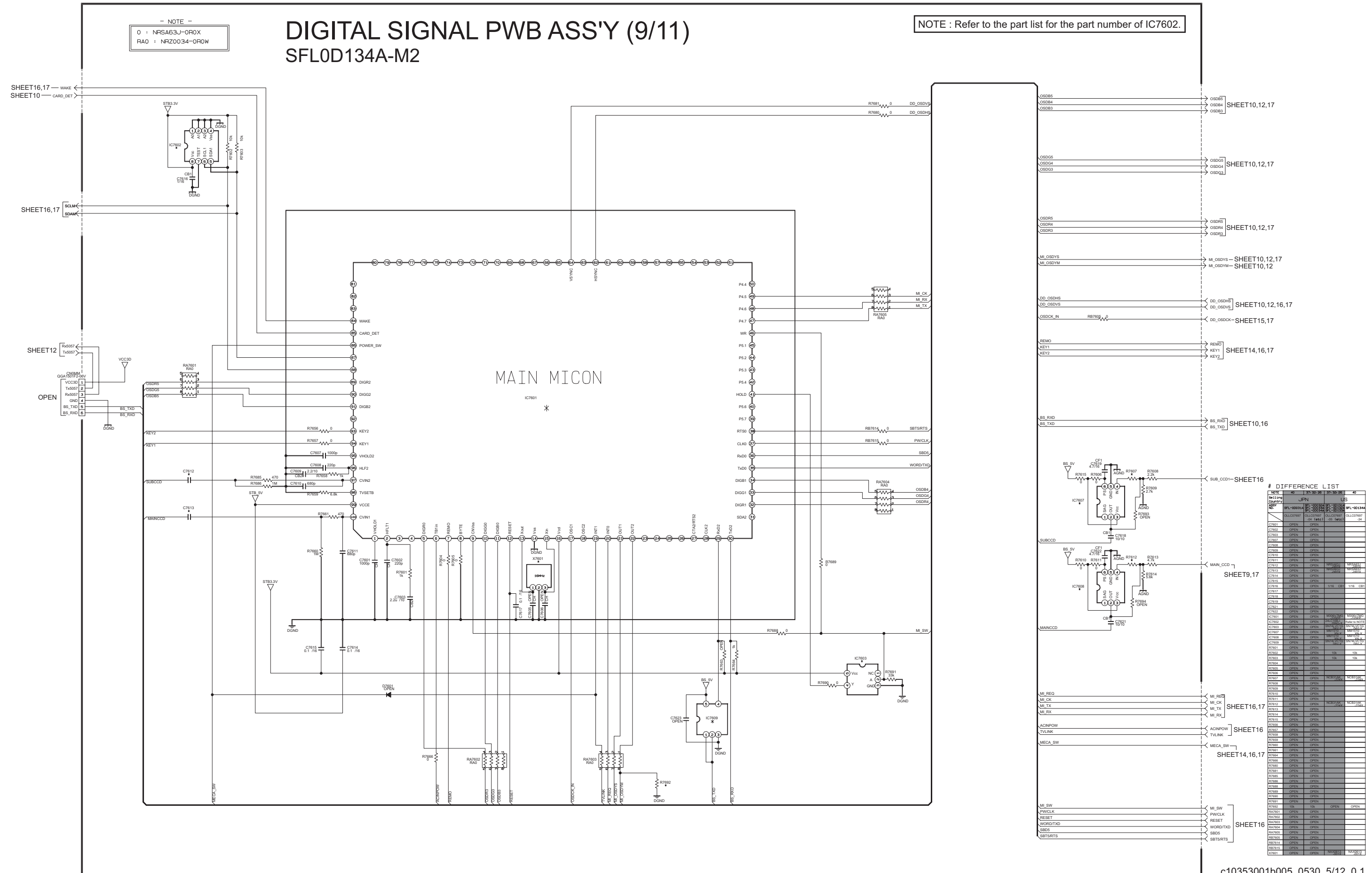
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Selling Country	JPN			US		
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	OLLC7897	OLLC7897-04 [etc]	OLLC7897-05 [etc]	OLLC7897	34	
R6036	100	100	100	100		
R6038	1k	1k	OPEN	OPEN		
R6039	1k	1k	OPEN	OPEN		
R6040	0	0	OPEN	OPEN		
R6043	0	0	OPEN	OPEN		
R6048	10k	10k	OPEN	OPEN		
R6059	0	0	OPEN	OPEN		
R6080	OPEN	OPEN	0	0		
RA0001	OPEN	OPEN	NR0001-0000	NR0001-0000		

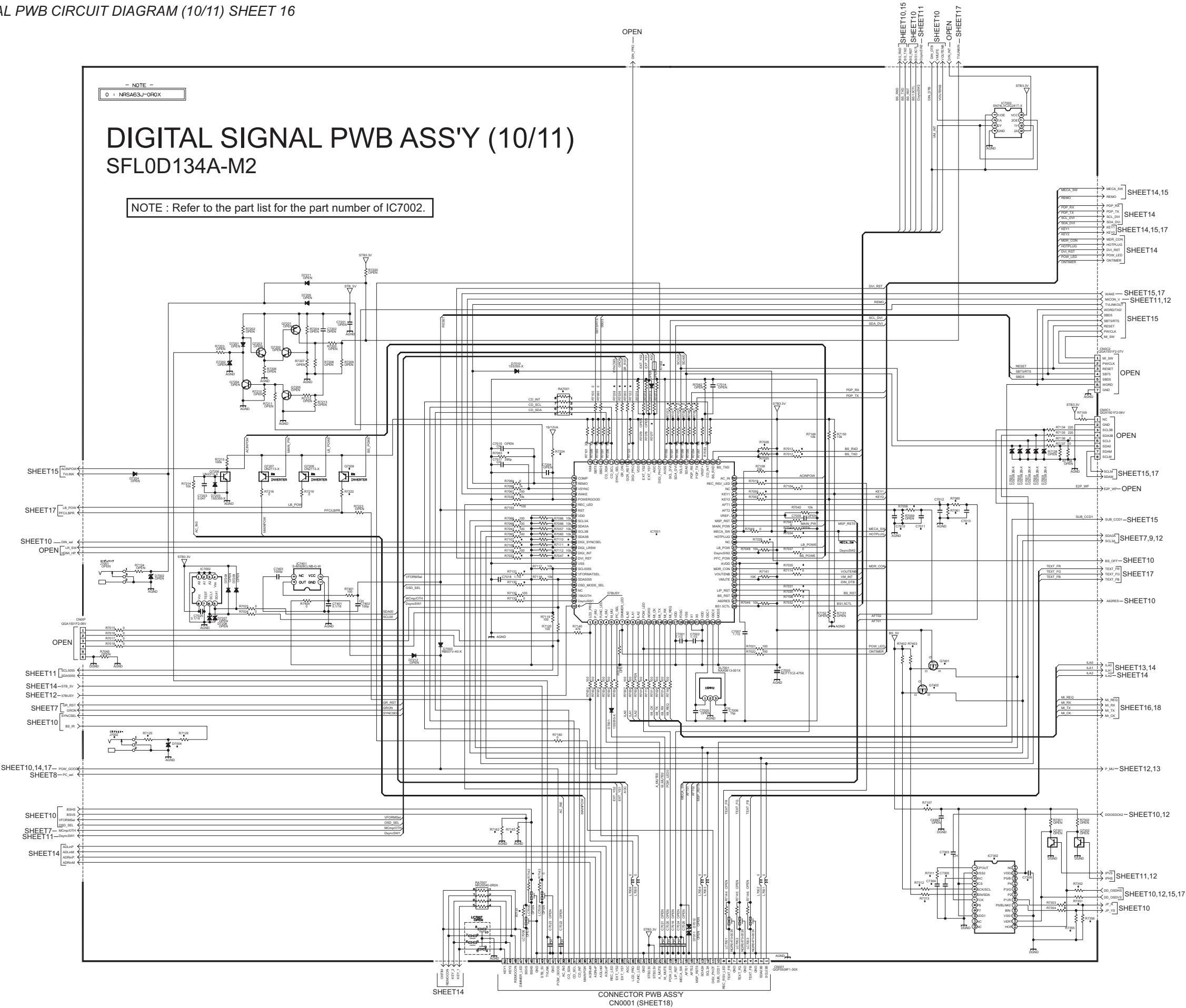
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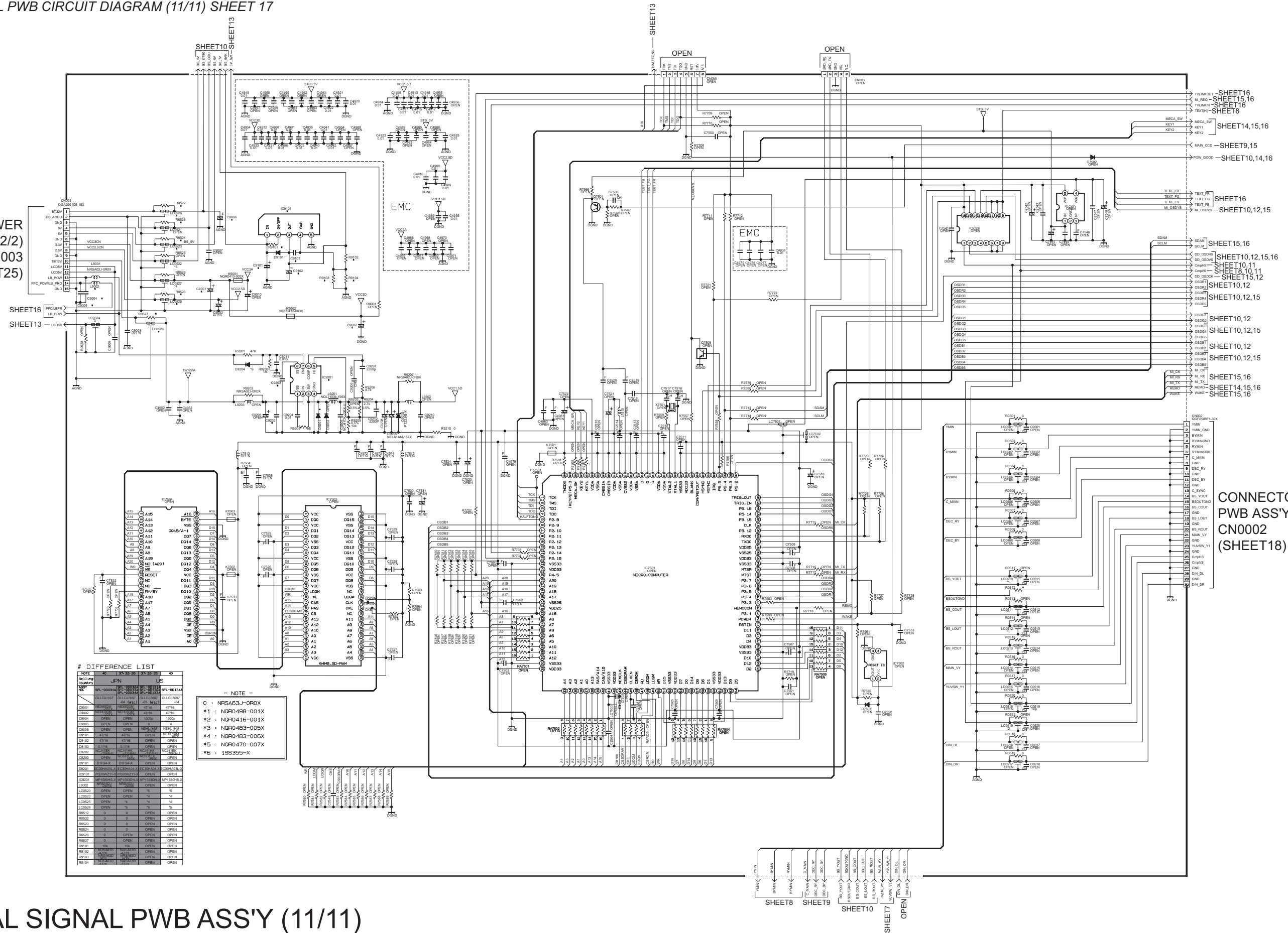
0 : NRSA63J-OR0X

DIGITAL SIGNAL PWB ASS'Y (8/11)
SFL0D134A-M2









DIGITAL SIGNAL
PWB ASS'Y(10/11)
CN001
(SHEET16)

RECEIVER
PWB ASS'Y
CN00T
(SHEET1)

DIGITAL SIGNAL
PWB ASS'Y(11/11)
CN002
(SHEET17)

ANALOG SIGNAL
PWB ASS'Y(2/5)
CN0011
(SHEET3)

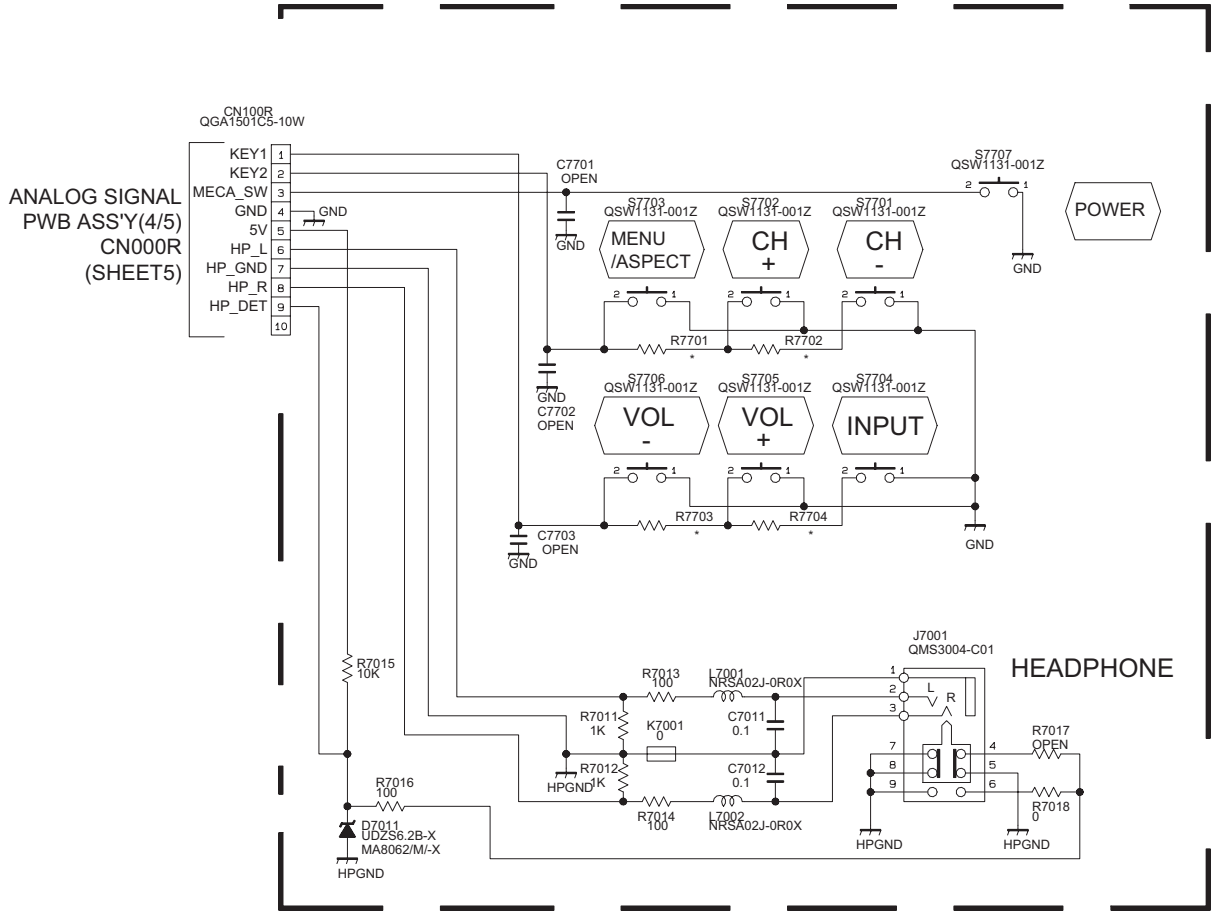
CARD PWB
ASS'Y(1/2)
CN8CV2
(SHEET22)

CARD PWB
ASS'Y(2/2)
CN8CV1
(SHEET23)

ANALOG SIGNAL
PWB ASS'Y(2/5)
CN0012
(SHEET3)

CONNECTOR PWB ASS'Y SFL-4122A-M2

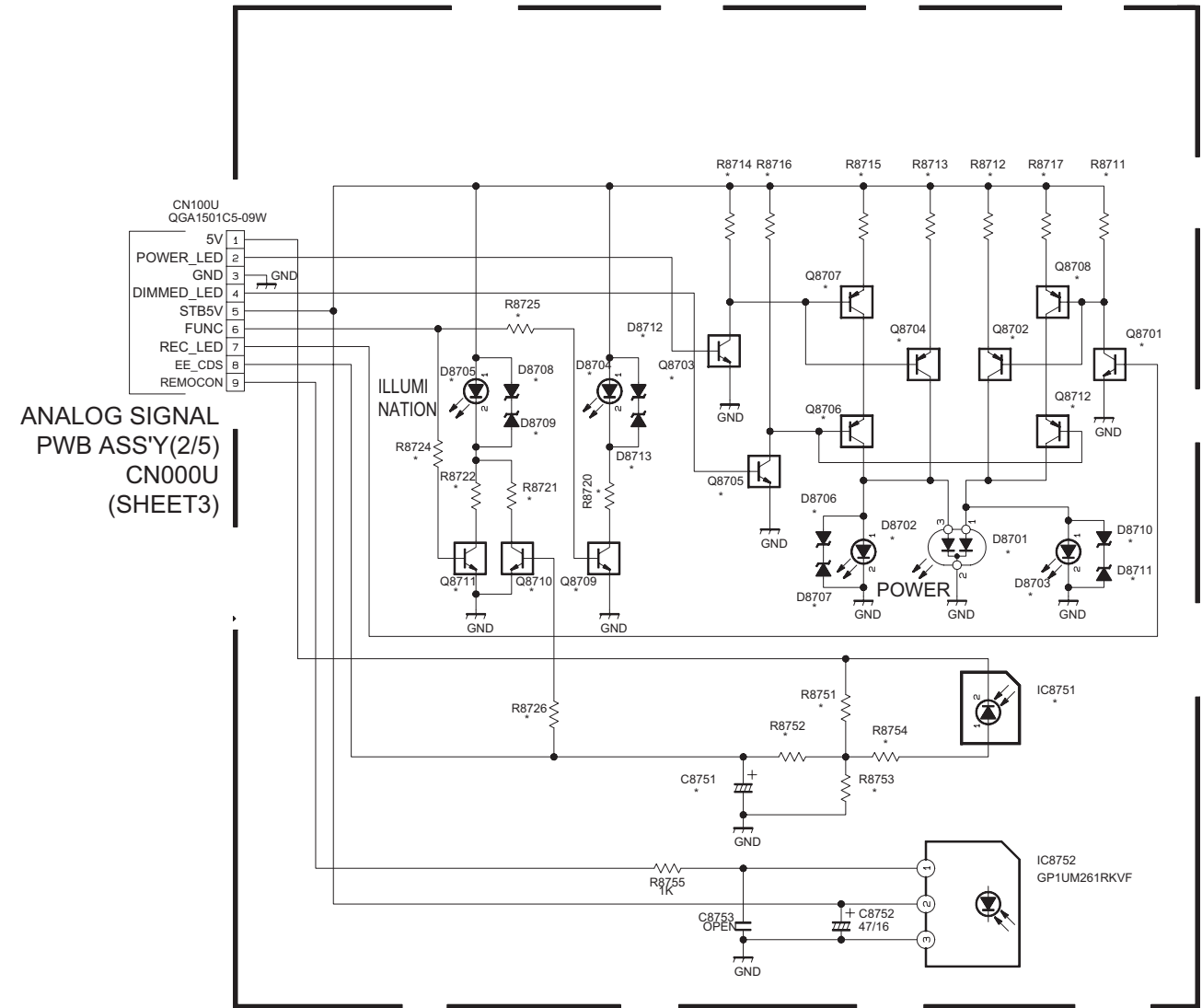
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NOTE	JPN	US	US	
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	SFL-4101A	SFL-4121A	SFL-4122A	
	OLL007863	OLL008323	OLL008323-02	
IC4401	OPEN	OPEN	TL52055PW-X	
IC4402	OPEN	OPEN	TL52055PW-X	
R4401	OPEN	OPEN	150	
R4402	OPEN	OPEN	150	
R4403	OPEN	OPEN	150	
R4404	100	OPEN	100	
R4405	0	0	OPEN	
R4406	0	0	OPEN	
R4407	0	0	OPEN	
R4408	0	0	OPEN	
R4409	0	0	OPEN	
R4410	0	0	OPEN	
C4401	OPEN	OPEN	NC811AK-100X	
C4402	OPEN	OPEN	NC811AK-100X	
C4405	OPEN	OPEN	NC811AK-100X	
C4406	OPEN	OPEN	NC811AK-100X	
C4407	OPEN	OPEN	NC811AK-100X	
C4408	OPEN	OPEN	NC811AK-100X	
C4409	OPEN	OPEN	NC811AK-100X	
C4410	OPEN	OPEN	NC811AK-100X	
C4414	OPEN	OPEN	NC811AK-100X	
C4415	OPEN	OPEN	NC811AK-100X	
C4416	OPEN	OPEN	NC811AK-100X	
C4417	OPEN	OPEN	NC811AK-100X	
C4418	OPEN	OPEN	NC811AK-100X	
C4419	OPEN	OPEN	NC811AK-100X	
C4420	OPEN	OPEN	NC811AK-100X	
C4421	ND0311H-10	X	0	ND0311H-101X
IC4501	TC7WH02PFL-X	TC7WH02PFL-X	TC7WH02PFL-X	
IC4502	OPEN	OPEN	TC7WH02PFL-X	
R4501	OPEN	OPEN	100	
R4502	100	22	22	
R4503	OPEN	OPEN	100	
R4504	OPEN	OPEN	22	
R4505	270	270	270	
R4506	OPEN	OPEN	OPEN	
R4507	0	0	OPEN	
IC4501	NC931C2-104X	NC931C2-104X	NC931C2-104X	
D4501	MA8033-X	MA8033-X	MA8033-X	
CN1CV1	OPEN	OPEN	QGA181C5-12W	
CN8CV2	OPEN	OPEN	QGA181C5-12W	
R4411	0	0	OPEN	
R4412	0	0	OPEN	
R4601	0	OPEN	OPEN	
R4602	0	OPEN	OPEN	
R4603	0	OPEN	OPEN	
R4604	0	OPEN	OPEN	
R4605	0	OPEN	OPEN	
R4606	0	OPEN	0	
R4607	0	OPEN	0	
R4608	0	OPEN	0	
C4422	OPEN	OPEN	NC811AK-100X	
C4423	OPEN	OPEN	NC811AK-100X	
R4413	OPEN	OPEN	NS8402J-080X	
R4414	OPEN	OPEN	NS8402J-080X	
R4415	OPEN	OPEN	0	
R4416	OPEN	OPEN	OPEN	
R4417	OPEN	OPEN	0	
R4418	OPEN	OPEN	OPEN	
R4419	OPEN	OPEN	0	
R4420	OPEN	OPEN	OPEN	
R4421	OPEN	OPEN	0	
R4422	OPEN	OPEN	2.2K	
R4423	OPEN	OPEN	0	
R4424	OPEN	OPEN	2.2K	
R4425	OPEN	OPEN	0	
R4426	OPEN	OPEN	2.2K	
C4424	OPEN	OPEN	OPEN	



FRONT CONTROL PWB ASS'Y
SFL-7101A-M2

DIFFERENCE LIST

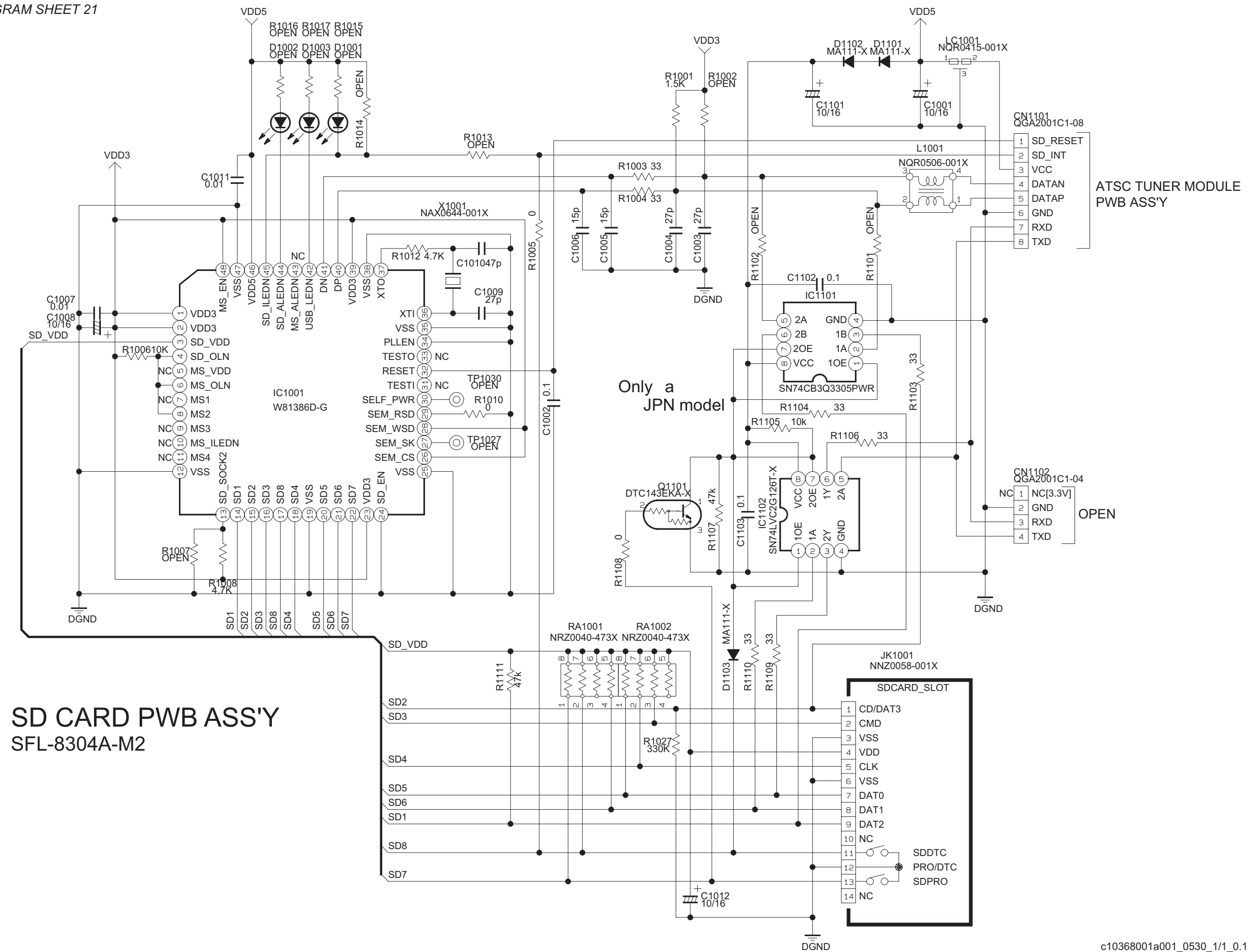
NOTE	JPN	UK-DTV EUROPE (not-DTV)
	US	ASIA
INCH	40/37/32/26	37/32/26
ASS'Y No.	LCA90469-01*	LCA90469-02*
	SFL-7101A	SFL-7111A
	OLL07662	OLL08307
R7701	5.6K	4.7K
R7702	15K	8.2K
R7703	5.6K	4.7K
R7704	15K	8.2K

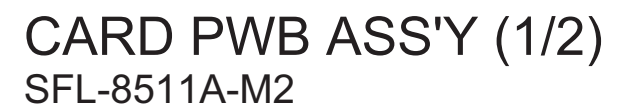


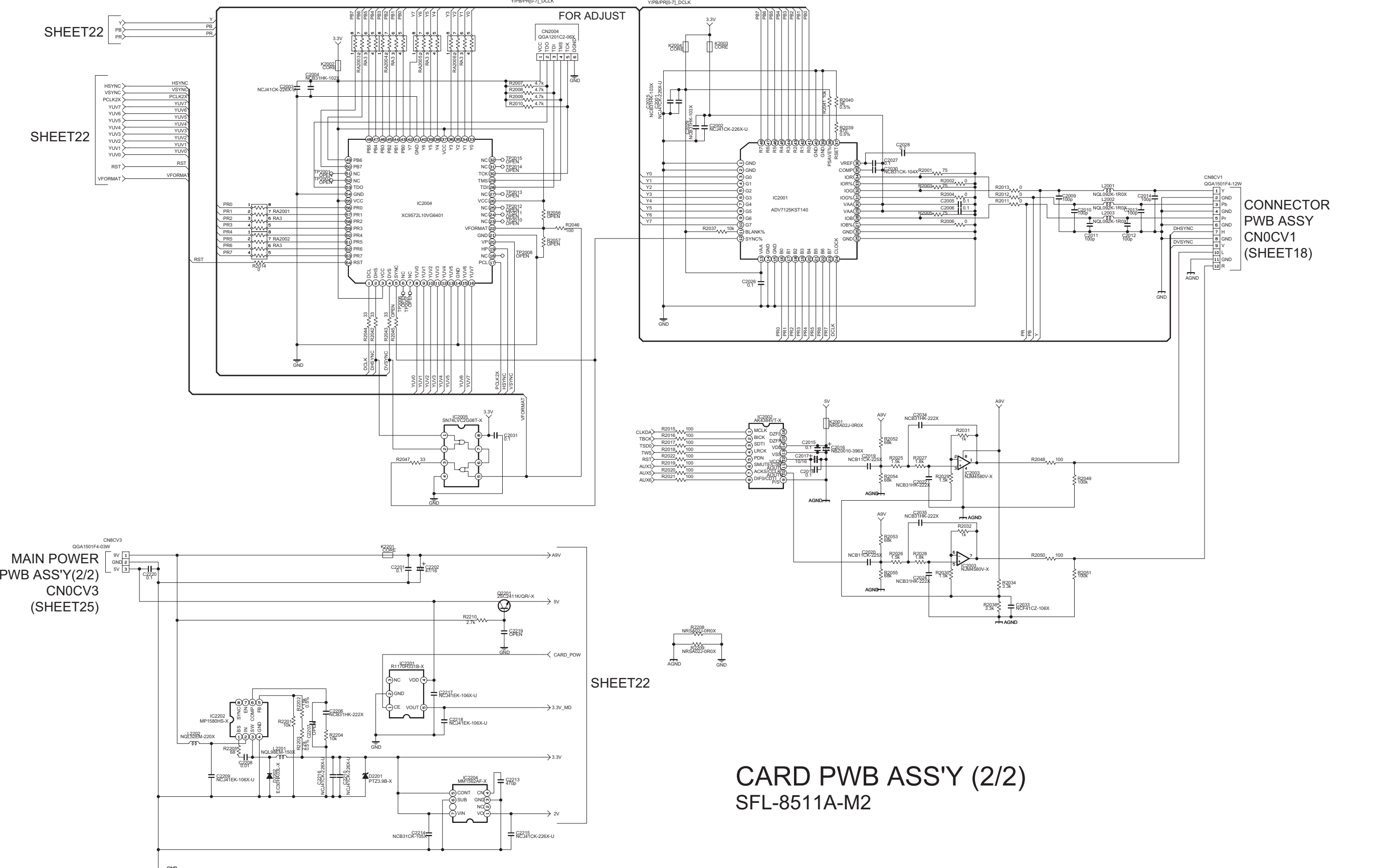
FRONT LED PWB ASS'Y
SFL-8123A-M2

DIFFERENCE LIST

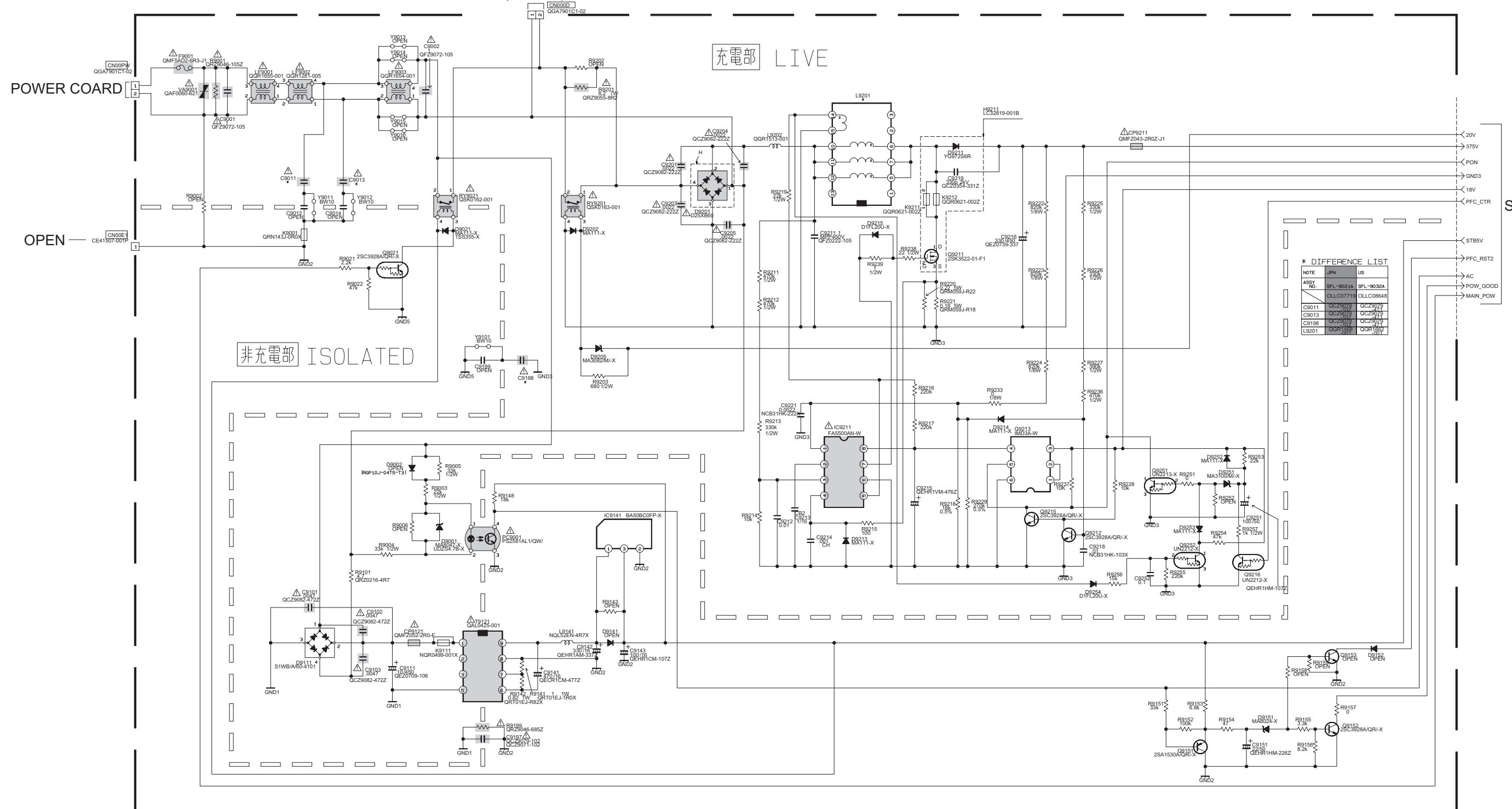
NOTE	JPN	UK-DTV	(not-DTV)	US
INCH	40/37/32/26	37/32/26	37/32/26	40/37/32/26
ASS'Y No.	LCA90470-01*	LCA90470-02*	LCA90470-03*	LCA90470-04*
	SFL-8103A	SFL-8113A	SFL-8123A	SFL-8133A
	OLL07662	OLL08307	OLL08307	OLL08322
D8701	OPEN	OPEN	OPEN	OPEN
D8702	OPEN	OPEN	OPEN	OPEN
D8703	OPEN	OPEN	OPEN	OPEN
D8704	OPEN	OPEN	OPEN	OPEN
D8705	OPEN	OPEN	OPEN	OPEN
D8706	OPEN	OPEN	OPEN	OPEN
D8707	OPEN	OPEN	OPEN	OPEN
D8708	OPEN	OPEN	OPEN	OPEN
D8709	OPEN	OPEN	OPEN	OPEN
D8710	OPEN	OPEN	OPEN	OPEN
D8711	OPEN	OPEN	OPEN	OPEN
D8712	OPEN	OPEN	OPEN	OPEN
D8713	OPEN	OPEN	OPEN	OPEN
D8714	OPEN	OPEN	OPEN	OPEN
D8715	OPEN	OPEN	OPEN	OPEN
D8716	OPEN	OPEN	OPEN	OPEN
D8717	OPEN	OPEN	OPEN	OPEN
D8718	OPEN	OPEN	OPEN	OPEN
D8719	OPEN	OPEN	OPEN	OPEN
D8720	OPEN	OPEN	OPEN	OPEN
D8721	OPEN	OPEN	OPEN	OPEN
D8722	OPEN	OPEN	OPEN	OPEN
D8723	OPEN	OPEN	OPEN	OPEN
D8724	OPEN	OPEN	OPEN	OPEN
D8725	OPEN	OPEN	OPEN	OPEN
D8726	OPEN	OPEN	OPEN	OPEN
D8727	OPEN	OPEN	OPEN	OPEN
D8728	OPEN	OPEN	OPEN	OPEN
D8729	OPEN	OPEN	OPEN	OPEN
D8730	OPEN	OPEN	OPEN	OPEN
D8731	OPEN	OPEN	OPEN	OPEN
D8732	OPEN	OPEN	OPEN	OPEN
D8733	OPEN	OPEN	OPEN	OPEN
D8734	OPEN	OPEN	OPEN	OPEN
D8735	OPEN	OPEN	OPEN	OPEN
D8736	OPEN	OPEN	OPEN	OPEN
D8737	OPEN	OPEN	OPEN	OPEN
D8738	OPEN	OPEN	OPEN	OPEN
D8739	OPEN	OPEN	OPEN	OPEN
D8740	OPEN	OPEN	OPEN	OPEN
D8741	OPEN	OPEN	OPEN	OPEN
D8742	OPEN	OPEN	OPEN	OPEN
D8743	OPEN	OPEN	OPEN	OPEN
D8744	OPEN	OPEN	OPEN	OPEN
D8745	OPEN	OPEN	OPEN	OPEN
D8746	OPEN	OPEN	OPEN	OPEN
D8747	OPEN	OPEN	OPEN	OPEN
D8748	OPEN	OPEN	OPEN	OPEN
D8749	OPEN	OPEN	OPEN	OPEN
D8750	OPEN	OPEN	OPEN	OPEN
D8751	OPEN	OPEN	OPEN	OPEN
D8752	OPEN	OPEN	OPEN	OPEN
D8753	OPEN	OPEN	OPEN	OPEN
D8754	OPEN	OPEN	OPEN	OPEN
D8755	OPEN	OPEN	OPEN	OPEN
D8756	OPEN	OPEN	OPEN	OPEN
D8757	OPEN	OPEN	OPEN	OPEN
D8758	OPEN	OPEN	OPEN	OPEN
D8759	OPEN	OPEN	OPEN	OPEN
D8760	OPEN	OPEN	OPEN	OPEN
D8761	OPEN	OPEN	OPEN	OPEN
D8762	OPEN	OPEN	OPEN	OPEN
D8763	OPEN	OPEN	OPEN	OPEN
D8764	OPEN	OPEN	OPEN	OPEN
D8765	OPEN	OPEN	OPEN	OPEN
D8766	OPEN	OPEN	OPEN	OPEN
D8767	OPEN	OPEN	OPEN	OPEN
D8768	OPEN	OPEN	OPEN	OPEN
D8769	OPEN	OPEN	OPEN	OPEN
D8770	OPEN	OPEN	OPEN	OPEN
D8771	OPEN	OPEN	OPEN	OPEN
D8772	OPEN	OPEN	OPEN	OPEN
D8773	OPEN	OPEN	OPEN	OPEN
D8774	OPEN	OPEN	OPEN	OPEN
D8775	OPEN	OPEN	OPEN	OPEN
D8776	OPEN	OPEN	OPEN	OPEN
D8777	OPEN	OPEN	OPEN	OPEN
D8778	OPEN	OPEN	OPEN	OPEN
D8779	OPEN	OPEN	OPEN	OPEN
D8780	OPEN	OPEN	OPEN	OPEN
D8781	OPEN	OPEN	OPEN	OPEN
D8782	OPEN	OPEN	OPEN	OPEN
D8783	OPEN	OPEN	OPEN	OPEN
D8784	OPEN	OPEN	OPEN	OPEN
D8785	OPEN	OPEN	OPEN	OPEN
D8786	OPEN	OPEN	OPEN	OPEN
D8787	OPEN	OPEN	OPEN	OPEN
D8788	OPEN	OPEN	OPEN	OPEN
D8789	OPEN	OPEN	OPEN	OPEN
D8790	OPEN	OPEN	OPEN	OPEN
D8791	OPEN	OPEN	OPEN	OPEN
D8792	OPEN	OPEN	OPEN	OPEN
D8793	OPEN	OPEN	OPEN	OPEN
D8794	OPEN	OPEN	OPEN	OPEN
D8795	OPEN	OPEN	OPEN	OPEN
D8796	OPEN	OPEN	OPEN	OPEN
D8797	OPEN	OPEN	OPEN	OPEN
D8798	OPEN	OPEN	OPEN	OPEN
D8799	OPEN	OPEN	OPEN	OPEN
D8800	OPEN	OPEN	OPEN	OPEN



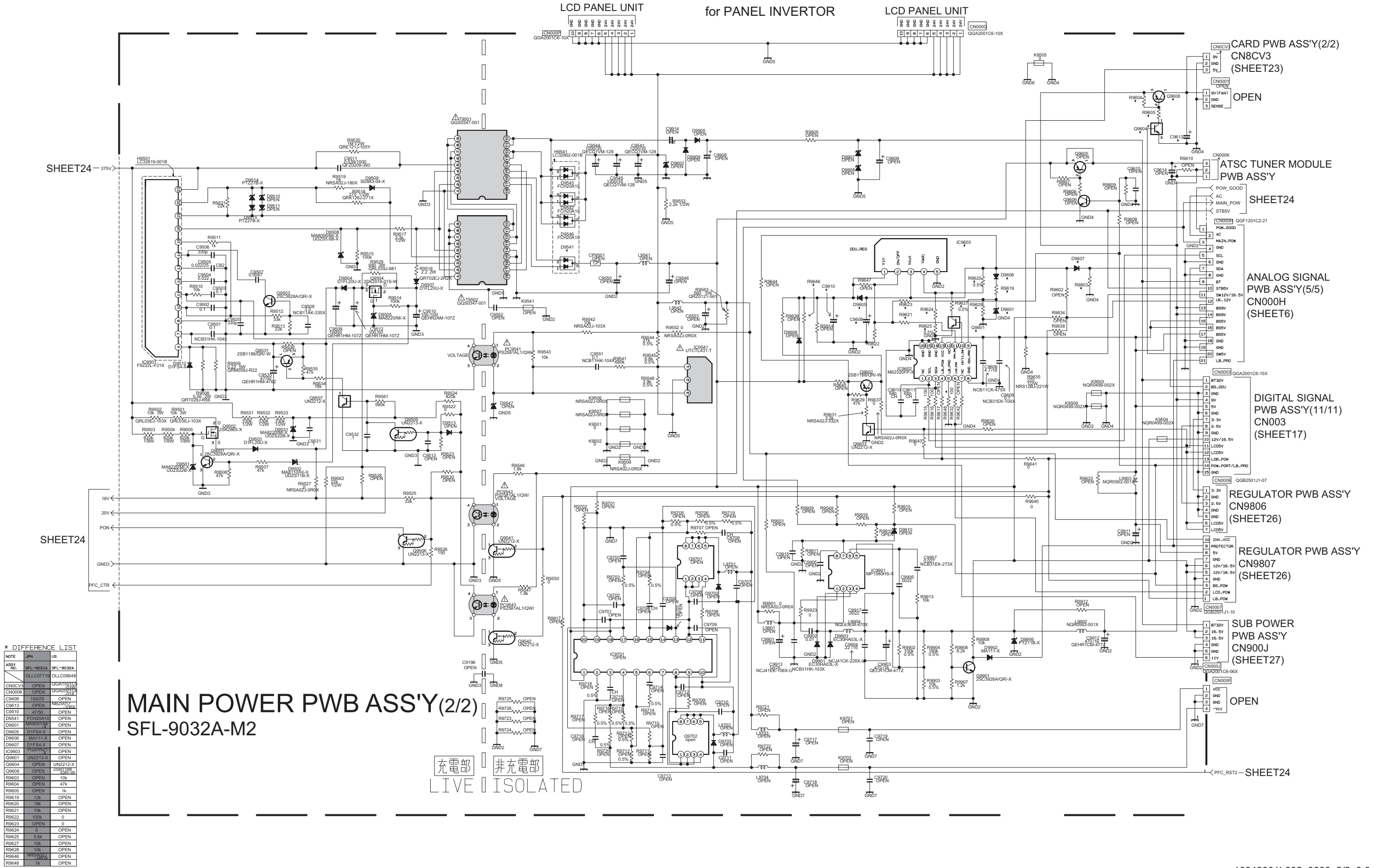




SUB POWER
PWB ASS'Y
CN900D
(SHEET27)



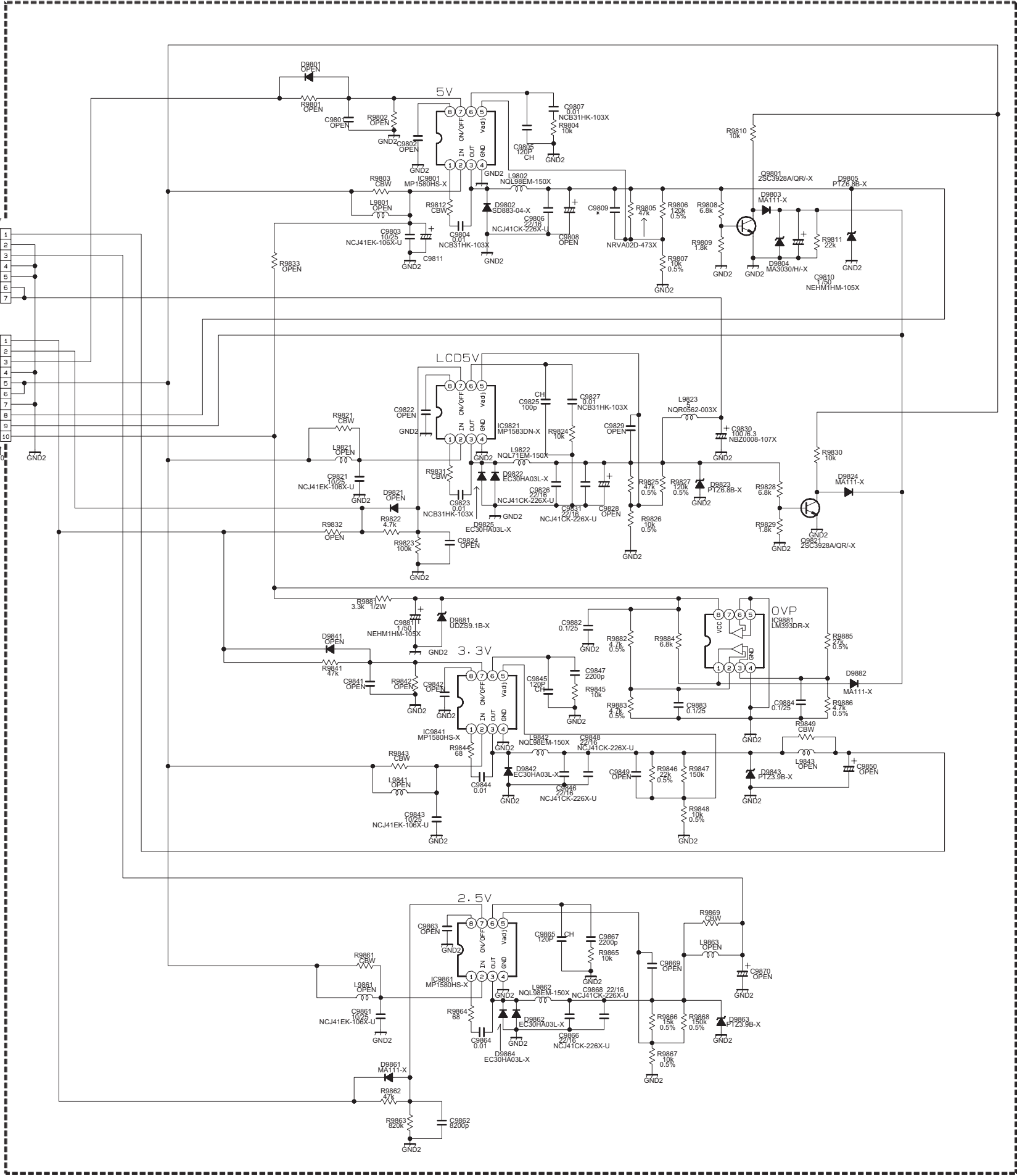
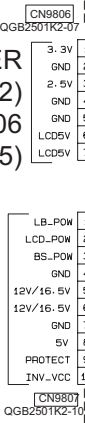
MAIN POWER PWB ASS'Y(1/2)
SFL-9032A-M2

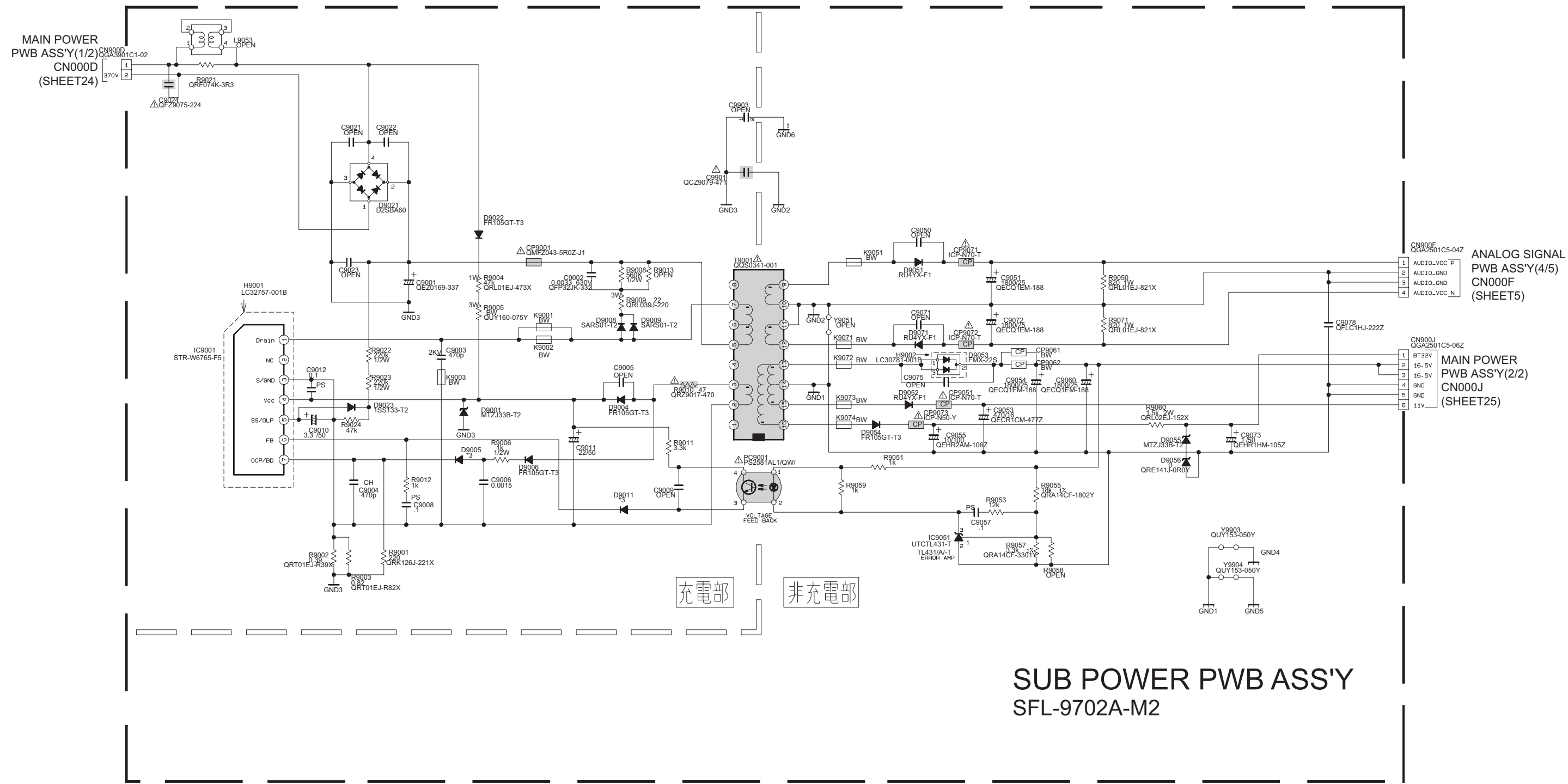


REGULATOR PWB ASS'Y
SFL-9132A-M2

MAIN POWER
PWB ASS'Y(2/2)
CN0006
(SHEET25)

MAIN POWER
PWB ASS'Y(2/2)
CN0007
(SHEET25)

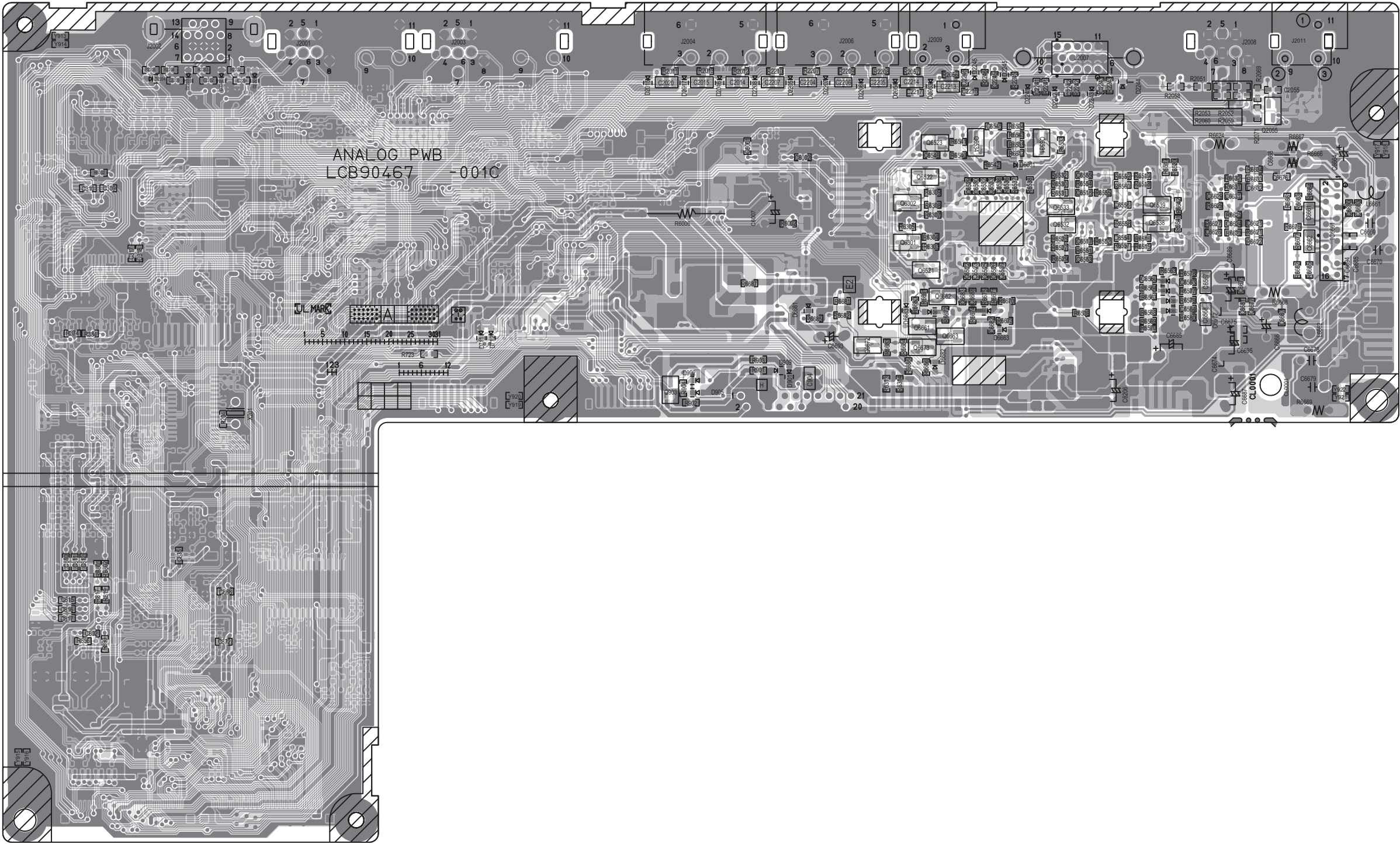




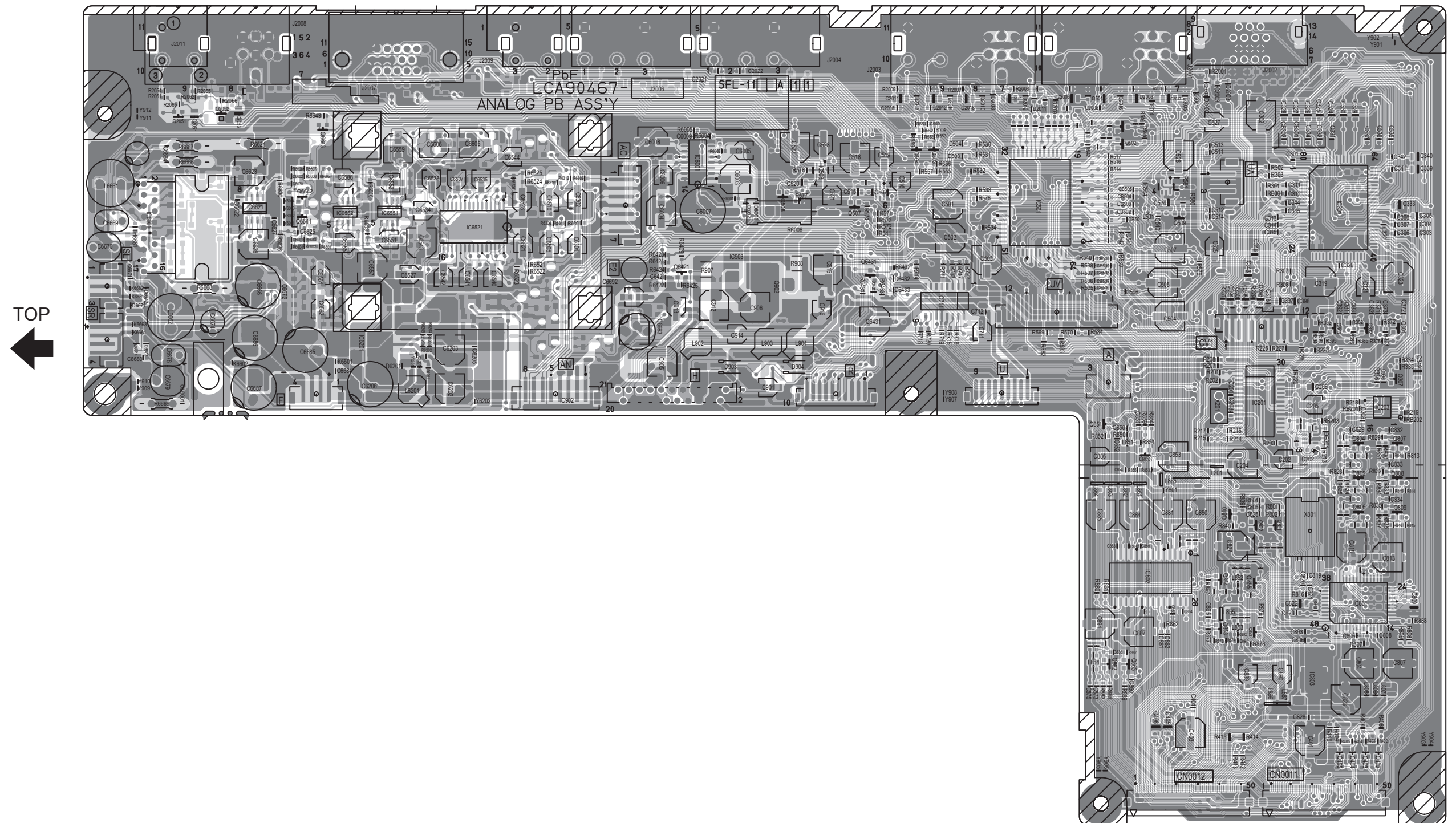
RECEIVER PWB PATTERN [SOLDER SIDE]



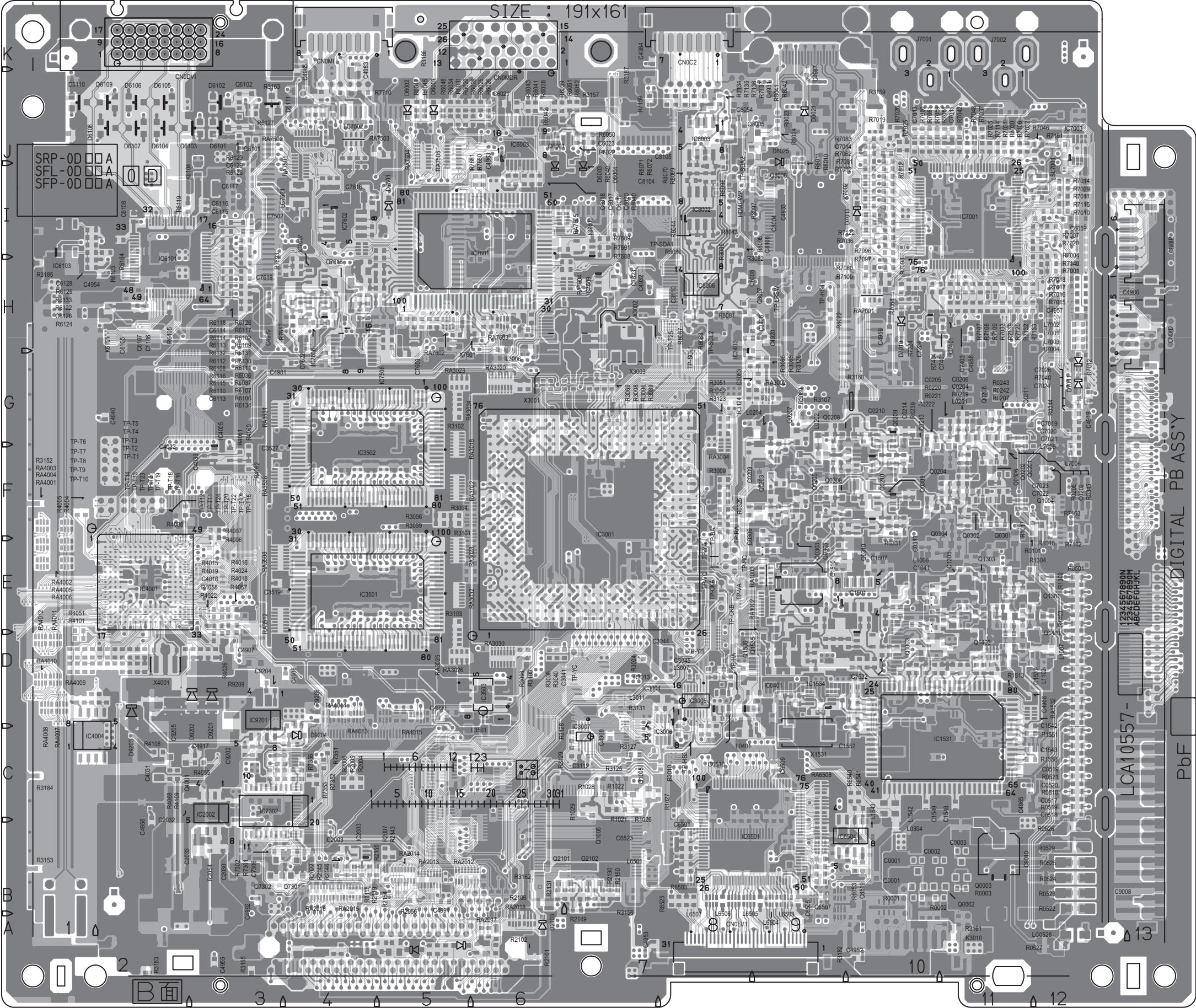
2-60(No.YA301)



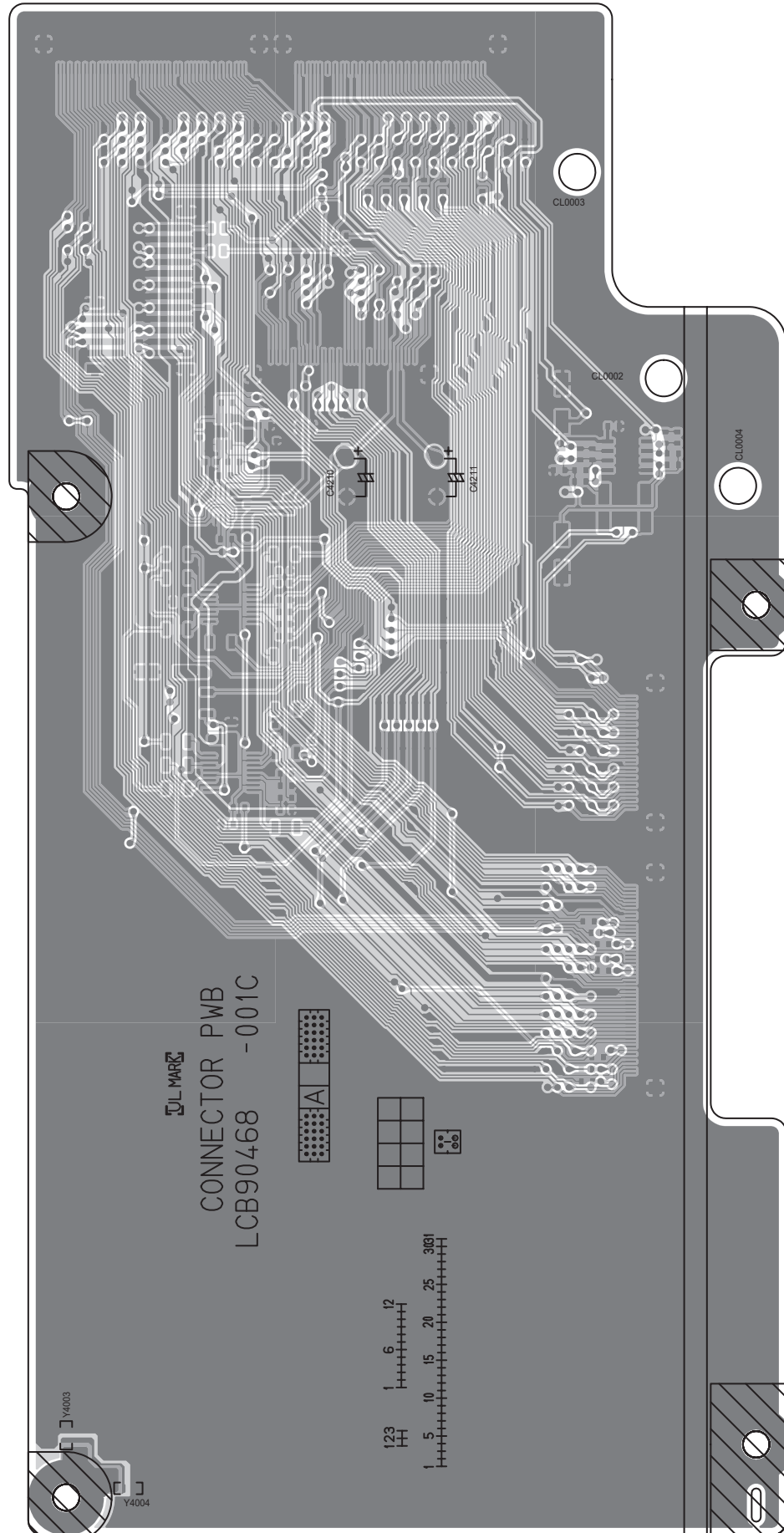
TOP
➔



TOP
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CONNECTOR PWB PATTERN [SOLDER SIDE]

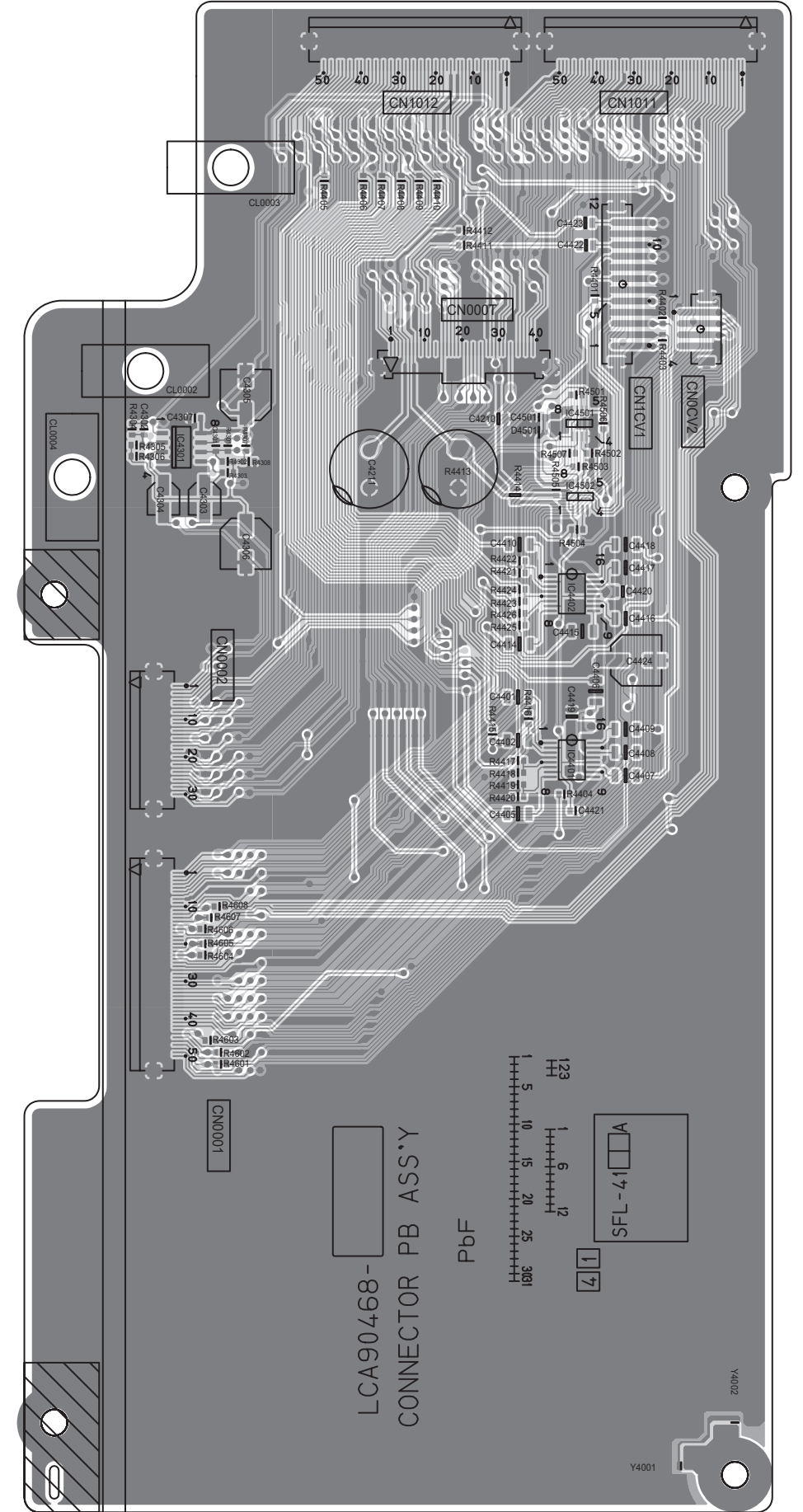


TOP



(No.YA301)2-69

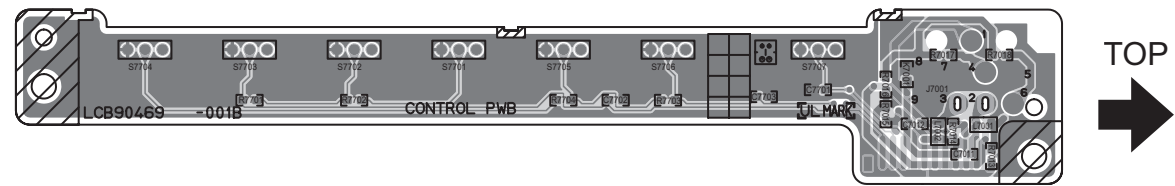
CONNECTOR PWB PATTERN [PARTS SIDE]



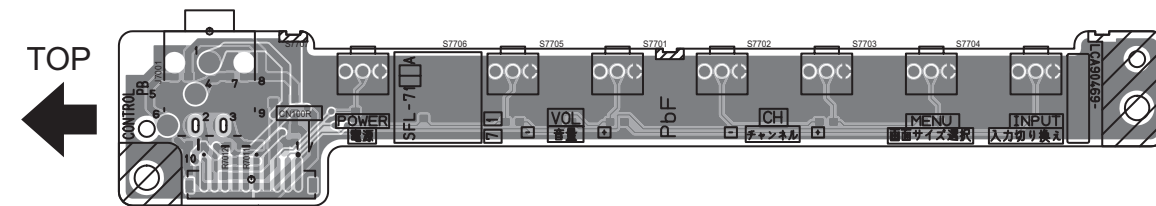
TOP
←

2-70(No.YA301)

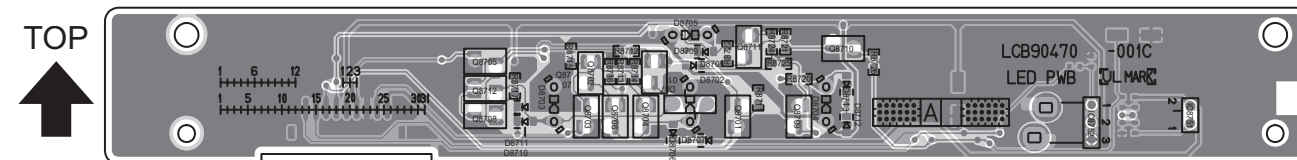
FRONT CONTROL PWB PATTERN [SOLDER SIDE]



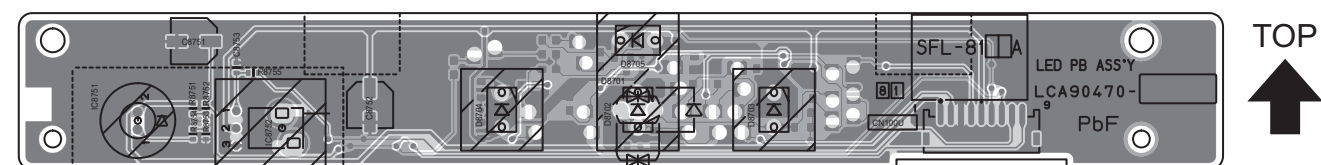
FRONT CONTROL PWB PATTERN [PARTS SIDE]



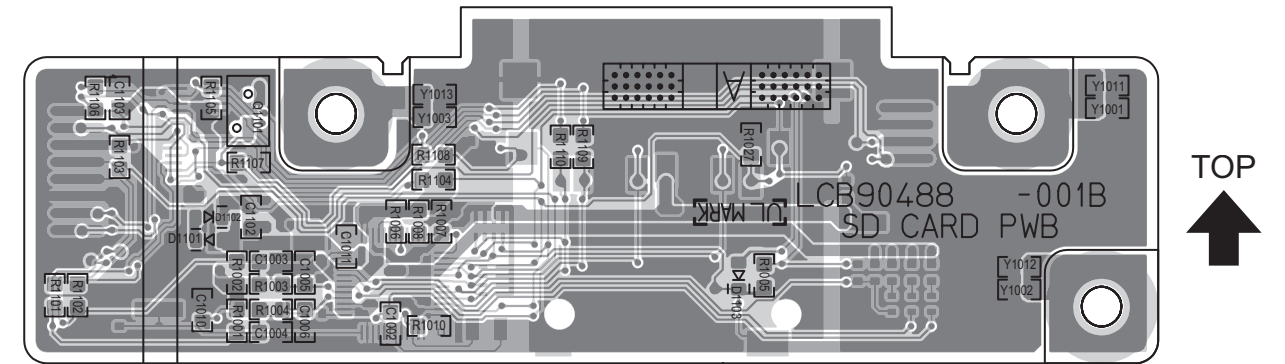
FRONT LED PWB PATTERN [SOLDER SIDE]



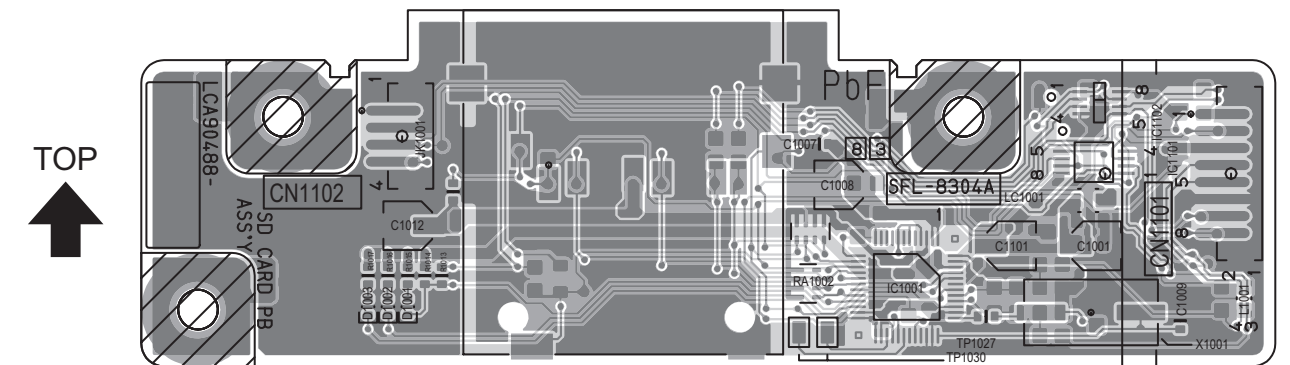
FRONT LED PWB PATTERN [PARTS SIDE]



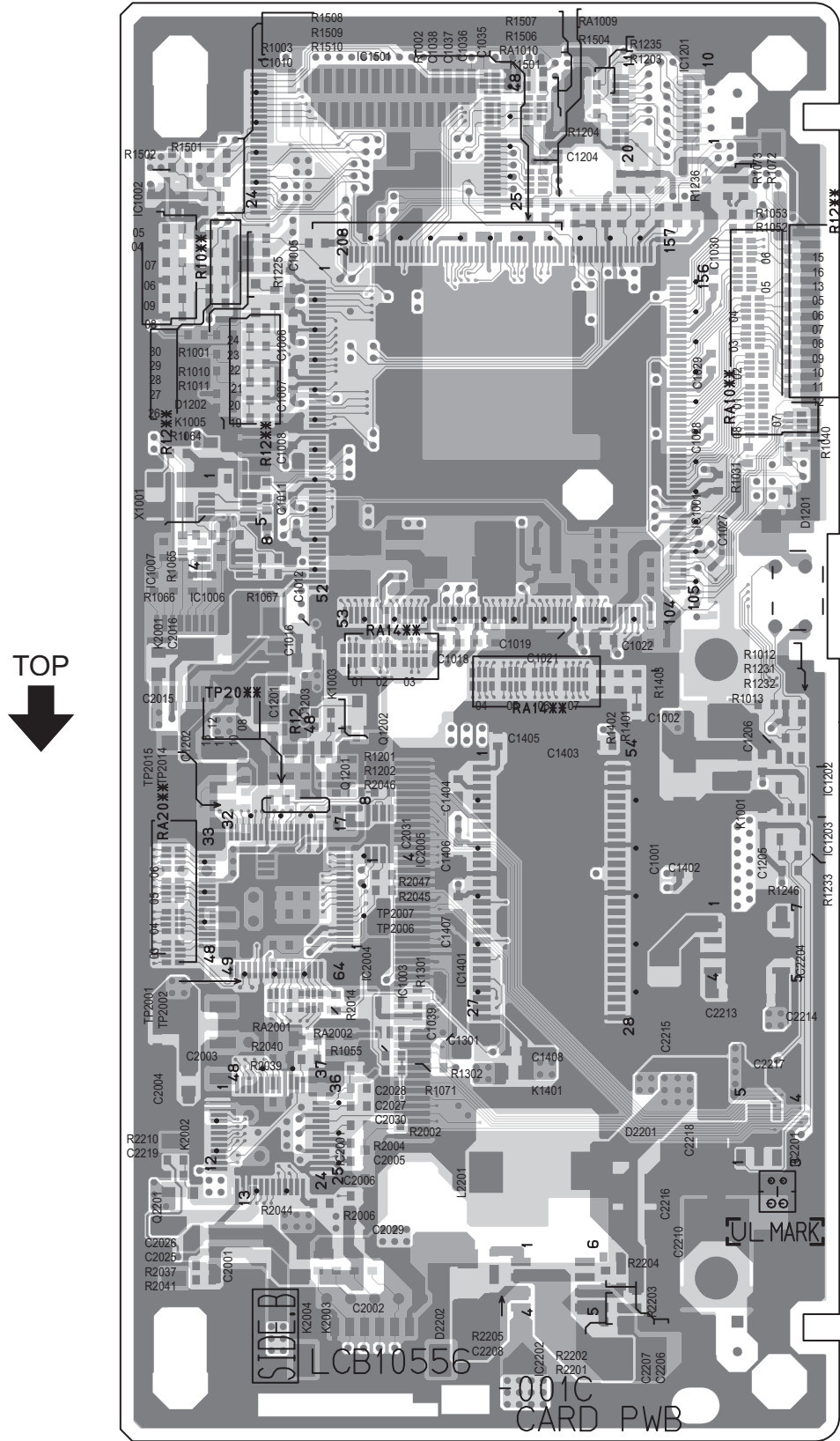
SD CARD PWB PATTERN [SOLDER SIDE]



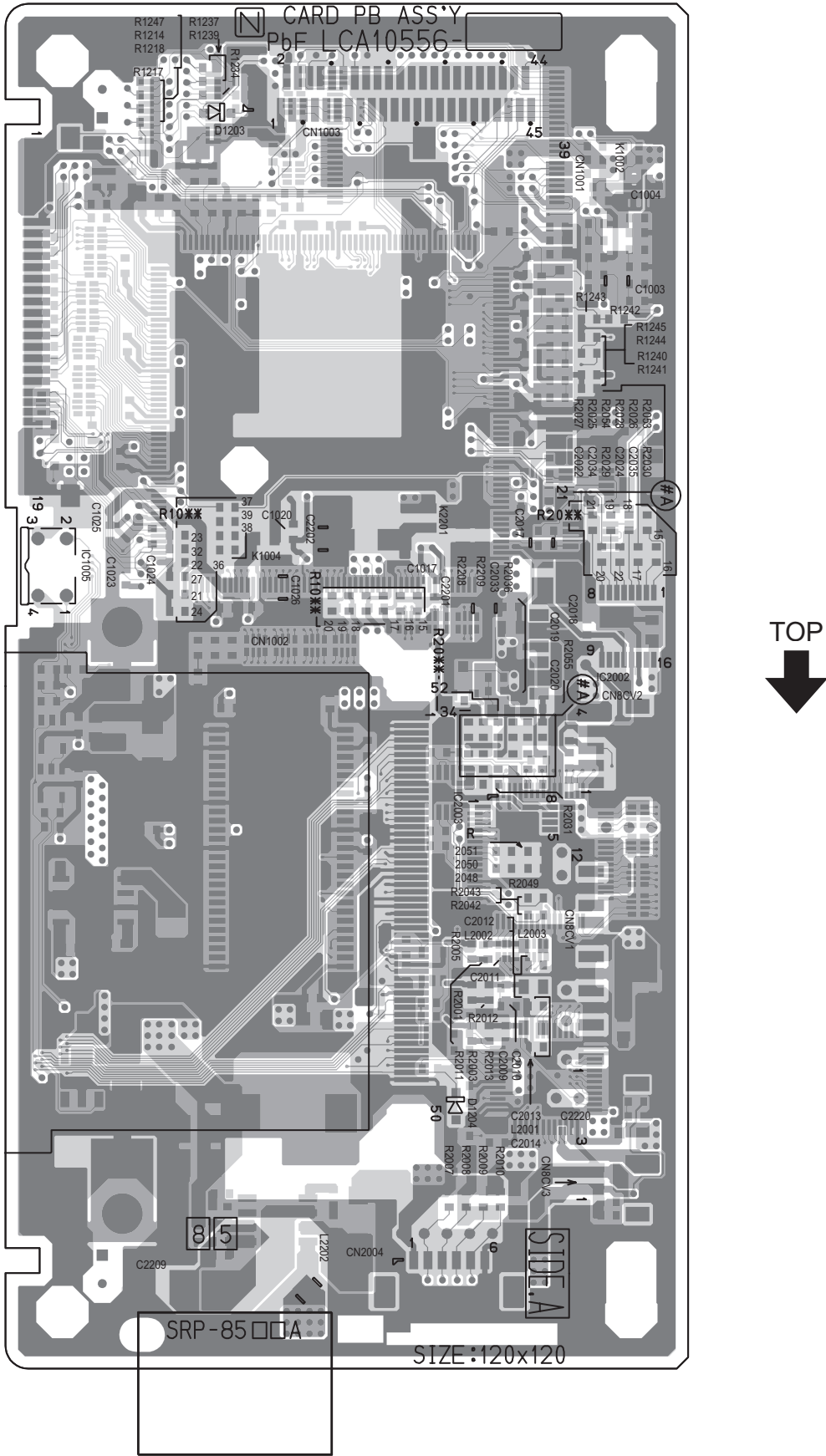
SD CARD PWB PATTERN [PARTS SIDE]



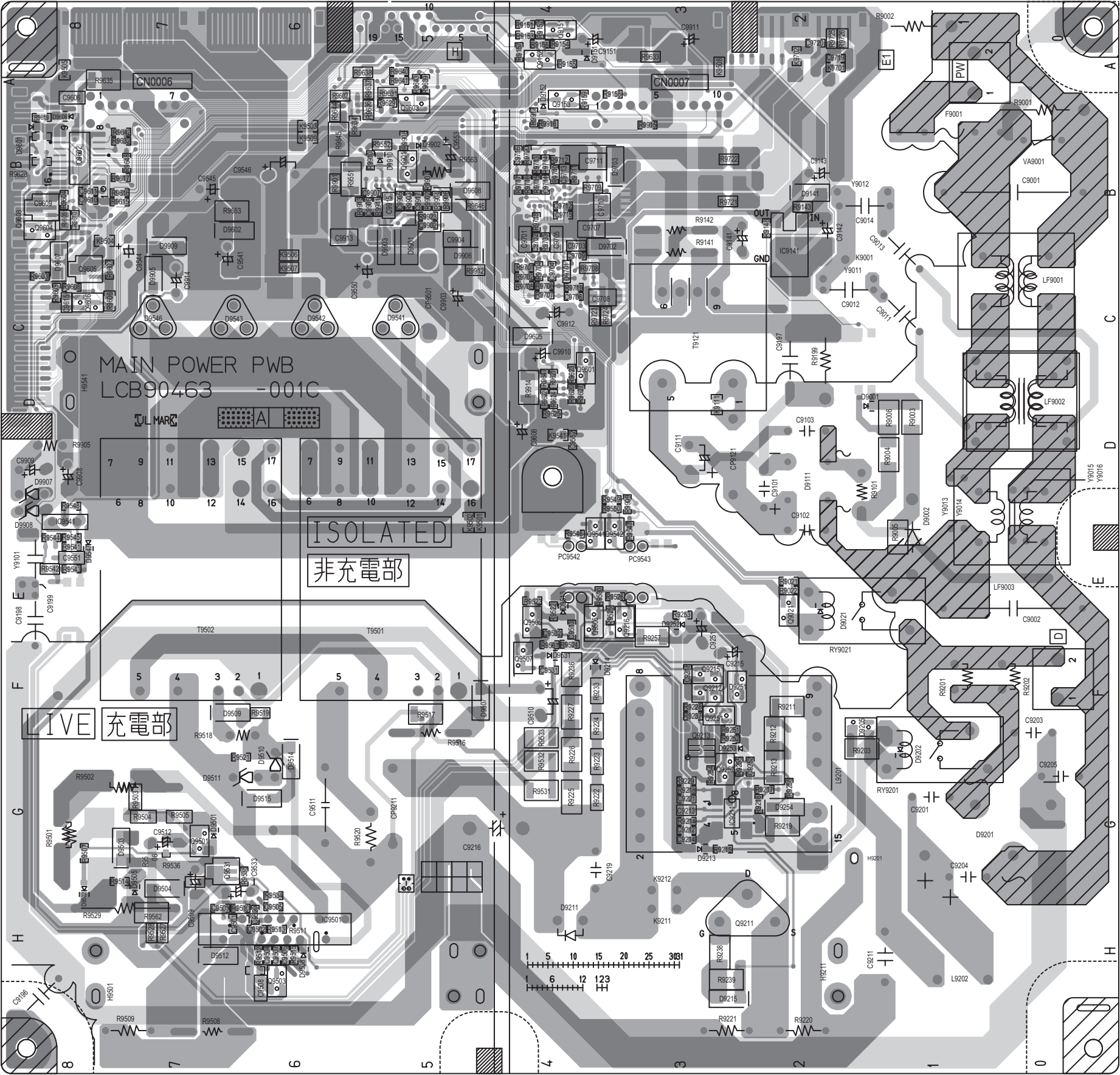
CARD PWB PATTERN [SOLDER SIDE]

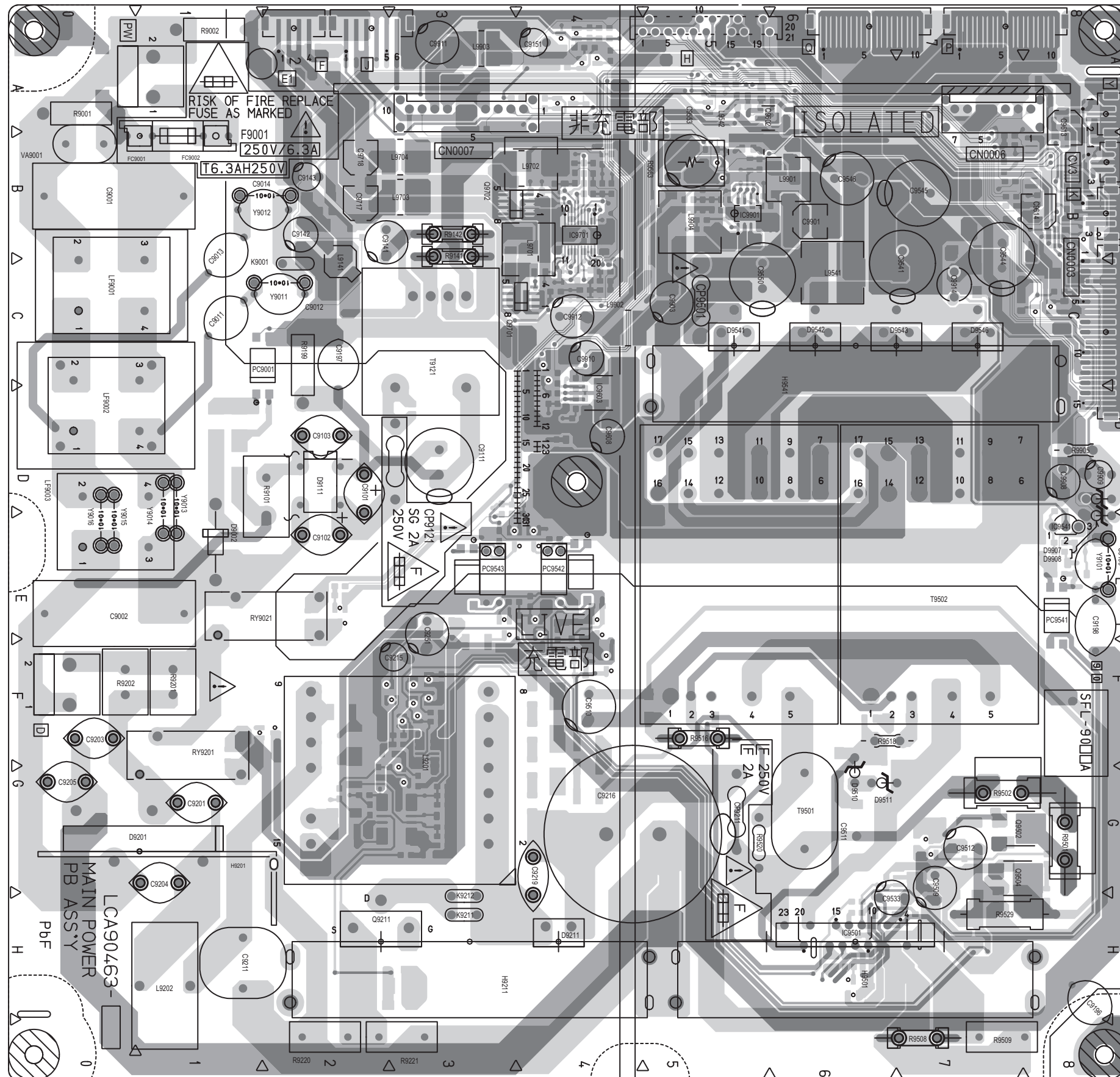


CARD PWB PATTERN [PARTS SIDE]



TOP
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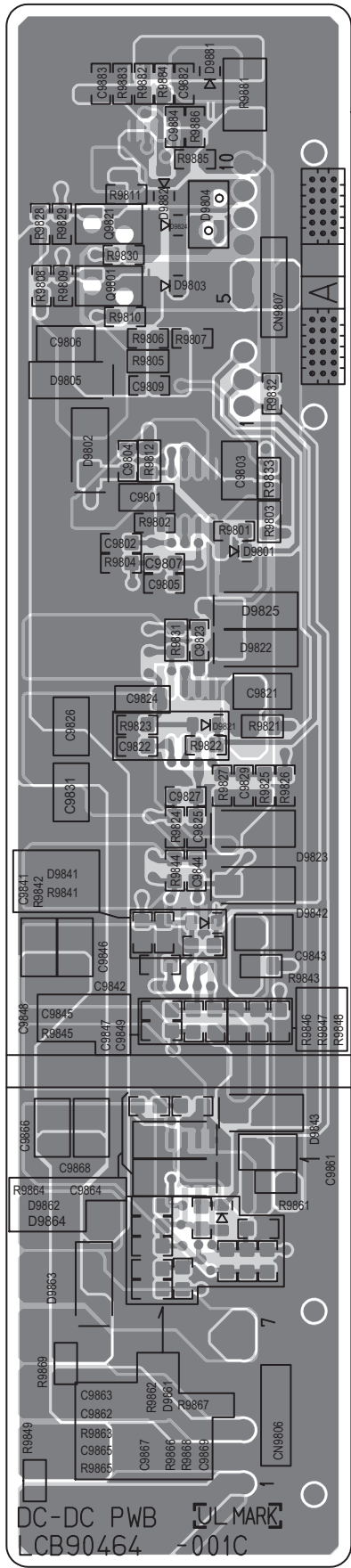


TOP



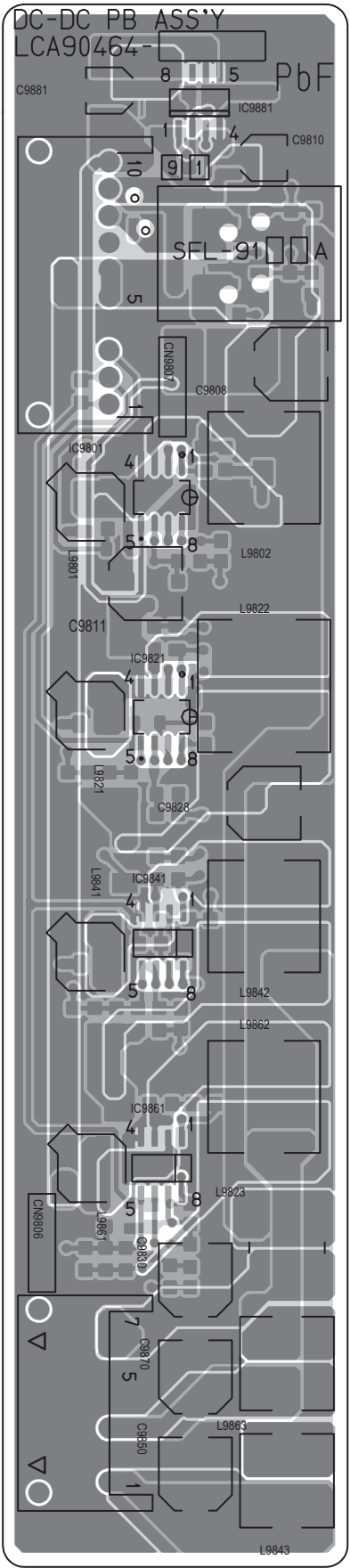
REGULATOR PWB PATTERN [SOLDER SIDE]

FRONT
↓

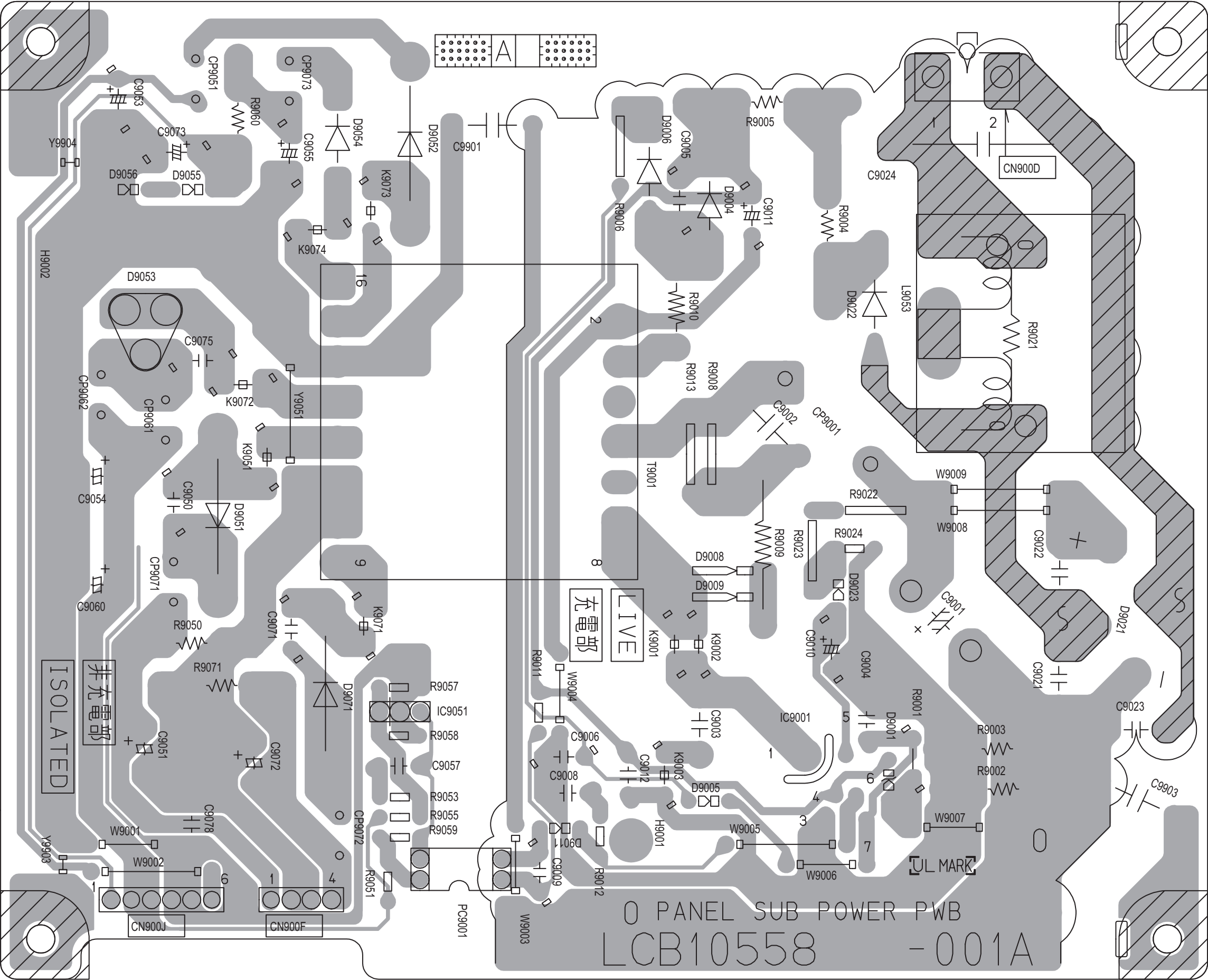


REGULATOR PWB PATTERN [PARTS SIDE]

FRONT
↓



TOP
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VOLTAGE CHARTS

<RECEIVER PWB> <ANALOG SIGNAL PWB>

[P.2-7 - P.2-8]		[P.2-9 - P.2-10]		[P.2-11 - P.2-12]	
MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
IC3101		IC501		Q509	
1	4.1	1	3.9	E	2.4
2	4.2	2	4.4	C	0
3	4.1	3	3.9	B	1.8
4	4.1	4	4.4	Q2051	
5	4.7	5	4.4	E	0
6	4.7	6	0	C	0
7	0	7	0	B	0
8	4.1	8	3.9	Q2052	
9	4.1	9	4.4	E	0
10	4.1	10	4.1	C	0
11	4.0	11	4.4	B	0
12	5.8	12	4.3	Q2055	
13	4.0	13	0	E	0
14	0	14	0	C	-0.2
15	1.2	15	3.9	B	0
16	0	16	4.4		
17	0	17	3.9		
18	3.1	18	4.4		
19	8.9	19	4.4		
20	0	20	0		
21	4.0	21	4.9		
22	4.1	22	3.9		
23	4.1	23	4.5		
24	3.9	24	3.8		
25	4.1	25	4.4		
26	4.0	26	4.4		
27	4.1	27	0		
28	1.7	28	4.9		
29	4.1	29	4.4		
30	4.1	30	3.9		
31	1.7	31	4.4		
32	4.0	32	8.9		
33	4.1	33	4.7		
34	4.1	34	4.7		
35	4.1	35	0		
36	4.0	36	4.4		
37	4.0	37	4.4		
38	4.1	38	4.5		
39	4.1	39	3.6		
40	4.1	40	4.4		
41	1.1	41	4.5		
42	4.1	42	9.0		
43	4.1	43	4.5		
44	4.0	44	4.4		
45	4.1	45	4.5		
46	4.1	46	3.7		
47	4.1	47	4.4		
48	4.1	48	0		
IC3102		49	5.0		
1	4.5	50	4.4		
2	4.5	51	4.4		
3	4.5	52	4.5		
4	0	53	4.5		
5	4.5	54	4.4		
6	4.5	55	3.7		
7	4.5	56	4.2		
8	8.9	57	0		
Q3001		58	4.2		
E	2.2	59	4.5		
C	0	60	4.0		
B	1.6	61	4.5		
Q3002		62	4.4		
E	1.7	63	4.4		
C	8.9	64	4.4		
B	2.2	IC502			
TU3001		1	2.1		
1	3.9	2	2.1		
2	2.2	3	9.0		
3	4.9	4	2.3		
4	5.1	5	0		
5	4.5	6	9.0		
6	0	IC503			
7	4.9	1	3.1		
8	4.9	2	3.2		
9	31.8	3	8.9		
10	0	4	2.5		
11	0	5	0		
12	0	6	8.9		
13	4.9	IC504			
14	1.5	1	2.1		
15	0	2	2.1		
16	1.6	3	8.8		
17	3.9	4	2.3		
18	1.9	5	0		
19	2.3	6	9.0		
20	0	Q507			
21	0	E	2.8		
22	NC	C	0		
23	NC	B	2.2		
24	NC	Q508			
25	NC	E	2.9		
26	NC	C	0		
27	NC	B	2.2		

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
11	4.9	15	0.1	11	4.9
12	0	16	0	12	0
13	5.0	17	0	13	5.0
14	0	18	0	14	0
15	4.7	19	0.6	15	4.7
16	4.7	20	0	16	4.7
17	0	21	4.7	17	0
18	0	22	4.9	18	0
19	2.4	23	0	19	2.4
20	5.0	24	2.1	20	5.0
21	0	25	1.2	21	0
22	2.9	26	2.1	22	2.9
23	2.7	27	0	23	2.7
24	3.4	28	0	24	3.4
25	3.3	29	0.5	25	3.3
26	0	30	5.1	26	0
27	3.7	IC301		27	3.7
28	1.6	1	5.0	28	1.6
Q402		2	4.8	Q402	
S	3.1	3	4.9	S	3.1
D	2.9	4	0	D	2.9
G	4.7	5	4.6	G	4.7
Q403		6	0	Q403	
S	3.1	7	4.6	S	3.1
D	3.0	8	4.9	D	3.0
G	4.8	9	4.7	G	4.8
S	3.1	10	0.5	Q404	
D	3.1	11	4.5	S	3.1
G	5.1	12	4.4	D	3.1
Q405		13	0	Q405	
S	3.1	14	4.6	S	3.1
D	2.9	15	0	D	2.9
G	5.1	16	4.6	G	5.1
Q801		17	4.9	Q801	
E	2.7	18	4.6	E	2.7
C	0	19	0.5	C	0
B	2.1	20	4.5	B	2.1
Q802		21	4.4	Q802	
E	2.7	22	0	E	2.7
C	0	23	4.5	C	0
B	2.1	24	4.5	B	2.1
Q810		25	0	Q810	
E	2.0	26	4.4	E	2.0
C	0	27	4.4	C	0
B	1.4	28	0	B	1.4
Q851		29	0	Q851	
E	1.6	30	4.3	E	1.6
C	0	31	8.9	C	0
B	1.0	32	4.5	B	1.0
Q853		33	4.5	Q853	
E	1.9	34	0	E	1.9
C	8.9	35	4.5	C	8.9
B	2.7	36	4.5	B	2.7
Q854		37	0	Q854	
E	2.7	38	4.5	E	2.7
C	8.9	39	4.5	C	8.9
B	3.3	40	4.5	B	3.3
Q855		41	4.5	Q855	
E	1.9	42	0	E	1.9
C	0	43	4.5	C	0
B	1.3	44	4.5	B	1.3
Q858		45	0	Q858	
E	3.0	46	4.5	E	3.0
C	9.0	47	8.9	C	9.0
B	3.7	48	4.7	B	3.7
Q859		49	0	Q859	
E	3.6	50	4.7	E	3.6
C	0	51	0	C	0
B	3.0	52	4.7	B	3.0
Q862		53	0.5	Q862	
E	1.0	54	4.4	E	1.0
C	4.0	55	4.5	C	4.0
B	1.6	56	0	B	1.6
Q863		57	4.6	Q863	
E	3.4	58	0	E	3.4
C	5.0	59	4.6	C	5.0
B	4.0	60	0	B	4.0
61	4.7	61	4.7		
62	0.5	62	0.5		
63	4.5	63	4.5		
64	4.4	64	4.4		
65	0	65	0		
66	4.6	66	4.6		
67	4.6	67	4.6		
68	4.6	68	4.6		
69	0	69	0		
70	4.5	70	4.5		
71	4.5	71	4.5		
72	0	72	0		
73	5.0	73	5.0		
74	4.7	74	4.7		
75	1.7	75	1.7		
76	4.6	76	4.6		
77	0	77	0		
78	4.4	78	4.4		
79	4.4	79	4.4		
80	0	80	0		

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	0.3	1	0.3
2	0.2	2	0.2
3	0	3	0
4	0	4	0
5	0	5	0
6	0	6	0
7	6.1	7	6.1
8	0	8	0
9	4.9	9	4.9
10	0	10	0
11	8.8	11	8.8
12	1.2	12	1.2
13	0	13	0
14	0	14	0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	6.2	1	6.2
2	6.1	2	6.1
3	6.1	3	6.1
4	0	4	0
5	6.1	5	6.1
6	6.2	6	6.2
7	6.1	7	6.1
8	12.2	8	12.2
IC6621		IC6621	
1	-9.8	1	-9.8
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	5.0	1	5.0
2	0	2	0
3	3.3	3	3.3
IC903		IC903	
1	11.5	1	11.5
2	0	2	0
3	9.0	3	9.0

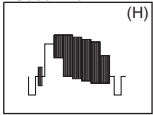
[P.2-35 - P.2-36]		[P.2-37 - P.2-38]		[P.2-39 - P.2-40]	
MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
1	0.3	1	0.3	1	6.1

<REGULATOR PWB>	
MODE	DC (V)
PIN NO.	
Q9502	
S	0
D	379.0
G	0.3
Q9503	
E	0
C	0
B	0.6
Q9504	
S	22.4
D	40.2
G	20.6
Q9505	
E	0
C	1.3
B	0
Q9506	
E	0
C	10.0
B	0.1
Q9507	
E	0
C	0
B	1.3
Q9531	
E	19.4
C	20.0
B	20.0
Q9541	
E	0
C	0
B	3.2
Q9542	
E	0
C	0
B	3.2
Q9602	
E	9.9
C	10.6
B	10.6
Q9603	
E	0
C	0
B	3.2
Q9604	
E	0
C	0
B	5.0
Q9608	
E	8.3
C	9.0
B	9.0
Q9901	
E	0
C	0
B	0.6
<SUB POWER PWB>	
MODE	DC (V)
PIN NO.	
CN000K	
1	0
2	9.1
3	15.8
CN000Q	
1	24.0
2	24.0
3	24.0
4	24.0
5	24.0
6	0
7	0
8	0
9	0
10	0
CN000P	
1	24.0
2	24.0
3	24.0
4	24.0
5	24.0
6	0
7	0
8	0
9	0
10	0

<REGULATOR PWB>	
MODE	DC (V)
PIN NO.	
IC9801	
1	9.9
2	15.8
3	5.2
4	0
5	1.1
6	1.6
7	6.9
8	0
IC9821	
1	9.8
2	15.8
3	5.2
4	0
5	1.2
6	1.3
7	4.9
8	1.6
IC9841	
1	8.5
2	15.8
3	3.5
4	0
5	1.2
6	1.3
7	3.3
8	0
IC9861	
1	7.8
2	15.8
3	2.8
4	0
5	1.2
6	1.4
7	2.9
8	0
IC9881	
1	0
2	4.6
3	3.5
4	0
5	0
6	0
7	0.9
8	9.1
Q9801	
E	0
C	0
B	0.6
Q9821	
E	0
C	0
B	0

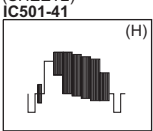
WAVEFORMS

RECEIVER PWB
(SHEET1)
TU3001-18

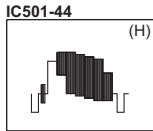


0.9 Vp-p

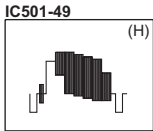
ANALOG SIGNAL PWB (1/5)
(SHEET2)



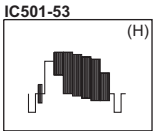
1.9 Vp-p



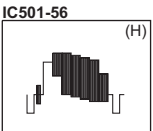
1.9 Vp-p



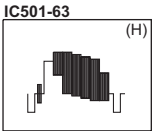
1.9 Vp-p



1.9 Vp-p

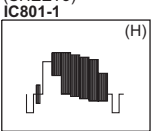


1.9 Vp-p

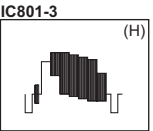


0.9 Vp-p

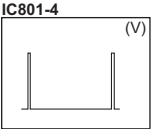
ANALOG SIGNAL PWB (2/5)
(SHEET3)



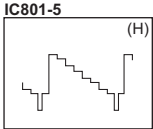
0.9 Vp-p



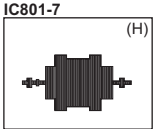
1.8 Vp-p



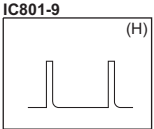
4.8 Vp-p



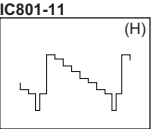
0.8 Vp-p



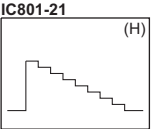
0.3 Vp-p



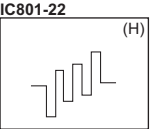
4.5 Vp-p



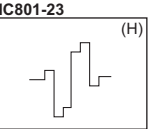
0.8 Vp-p



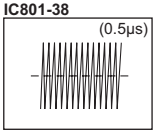
0.5 Vp-p



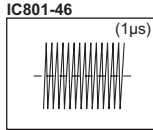
0.6 Vp-p



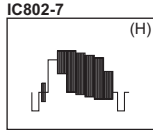
0.6 Vp-p



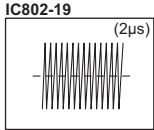
0.3 Vp-p



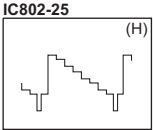
0.8 Vp-p



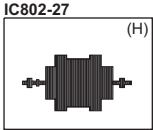
0.9 Vp-p



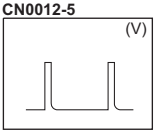
0.5 Vp-p



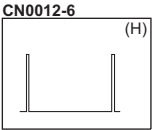
1.6 Vp-p



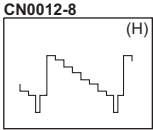
0.7 Vp-p



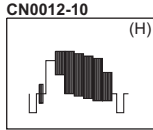
3.0 Vp-p



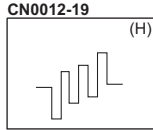
3.0 Vp-p



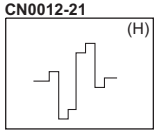
1.6 Vp-p



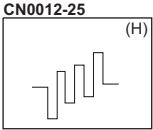
1.9 Vp-p



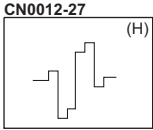
1.4 Vp-p



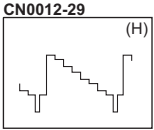
1.4 Vp-p



1.4 Vp-p

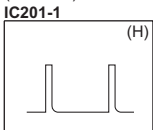


1.4 Vp-p

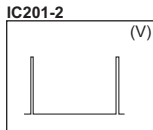


1.6 Vp-p

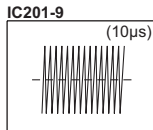
ANALOG SIGNAL PWB (3/5)
(SHEET4)



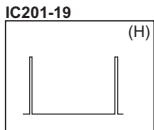
4.5 Vp-p



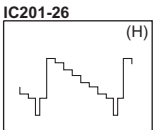
4.8 Vp-p



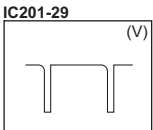
0.2 Vp-p



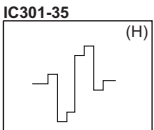
2.9 Vp-p



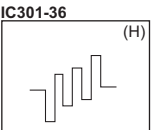
0.8 Vp-p



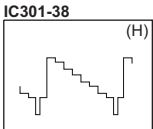
3.0 Vp-p



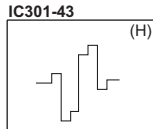
1.4 Vp-p



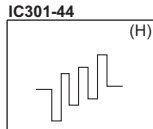
1.4 Vp-p



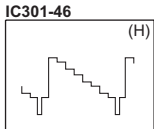
1.6 Vp-p



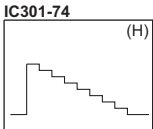
1.4 Vp-p



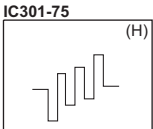
1.4 Vp-p



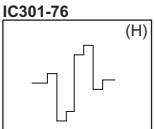
1.6 Vp-p



0.6 Vp-p

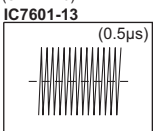


0.6 Vp-p

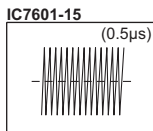


0.6 Vp-p

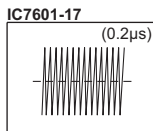
DIGITAL SIGNAL PWB (9/11)
(SHEET15)



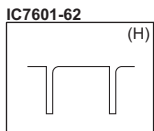
3.4 Vp-p



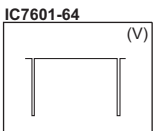
2.3 Vp-p



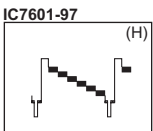
5.0 Vp-p



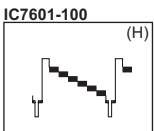
3.2 Vp-p



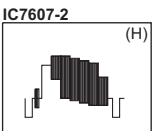
3.3 Vp-p



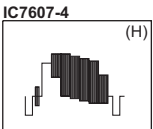
1.9 Vp-p



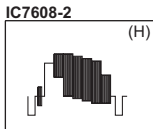
2.0 Vp-p



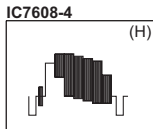
2.4 Vp-p



1.0 Vp-p

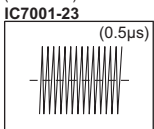


2.5 Vp-p

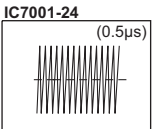


1.0 Vp-p

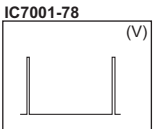
DIGITAL SIGNAL PWB (10/11)
(SHEET16)



2.4 Vp-p



4.0 Vp-p



3.3 Vp-p



Victor Company of Japan, Limited
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(No.YA301)



Printed in Japan
VPT



LCD Flat Television Users Guide

For Models:

LT-40X776

LT-37X776

LT-32X776

LT-26X776



Illustration of LT-32X776 and RM-C14G

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number: _____

Serial Number: _____

LCT1881-001B-A
0505TNH-II-IM

Important Safety Precautions



CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

- * When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.
- * To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT RECYCLING INFORMATION

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of the materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance:

<http://www.eiae.org>

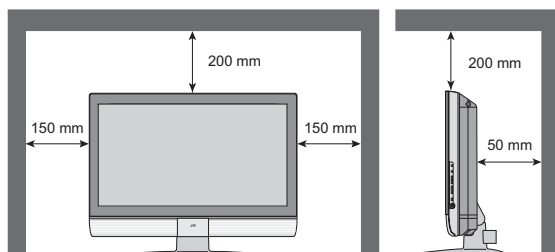
This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- 16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.



17) Cautions for installation

- Do not tilt the TV towards the left or right, or towards the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

Warnings

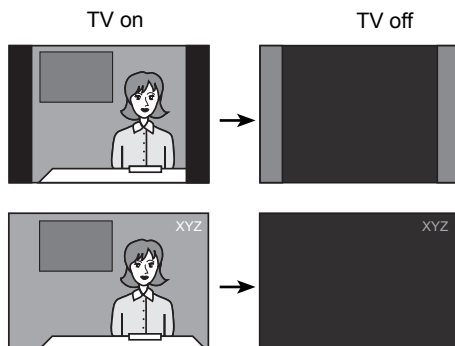
Avoiding Ghost Images

Displaying fixed images for extended periods of time can leave a subtle but temporary ghost image on your screen. To avoid this, mix your viewing pattern.

Examples include, but are not limited to the following:

- Stock-market report bars
- Shopping channel logos and pricing displays
- Video game patterns or scoreboards
- Bright station logos
- Internet web sites or other computer-style images.
- DVD discs, video tapes, laser discs
- Broadcast, cable, satellite channels or digital television tuners/converters.

For example...



Caring for the Cabinet

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

- DO NOT allow liquid to enter the TV through the ventilation slots.
- DO NOT use strong or abrasive cleaners on the TV.
- DO NOT spray liquids or cleaners directly on the TV's surface.
- DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Caring for the Screen

The screen is treated with an electrostatic-proof coating. When it gets dirty, wipe it gently with a soft cloth. If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner and thoroughly wrung-out. Then wipe immediately after with a clean, dry cloth.

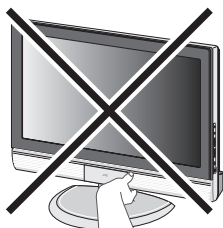
Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

Do not push or hit the screen. This could cause scratches on the screen surface and image distortions.

Warnings (Continued...)

How to move the cabinet

Your fingers may become trapped under the TV, causing injuries. Hold the TV at the bottom in the middle, and do not allow the TV to tilt up or down.



The TV may fall causing injuries. Hold the bottom of the stand with your hand and tilt the TV up or down.

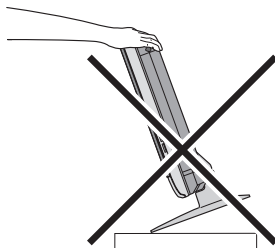


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Thank you for your purchase of a JVC LCD Flat Television. Before you begin setting up your new television, please check to make sure you have all of the following items. In addition to this guide, your television box should include:

1 Television



1 Remote Control



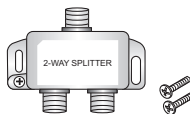
Two AA
Batteries



Note: Your television and/or remote control may differ from the examples illustrated here.



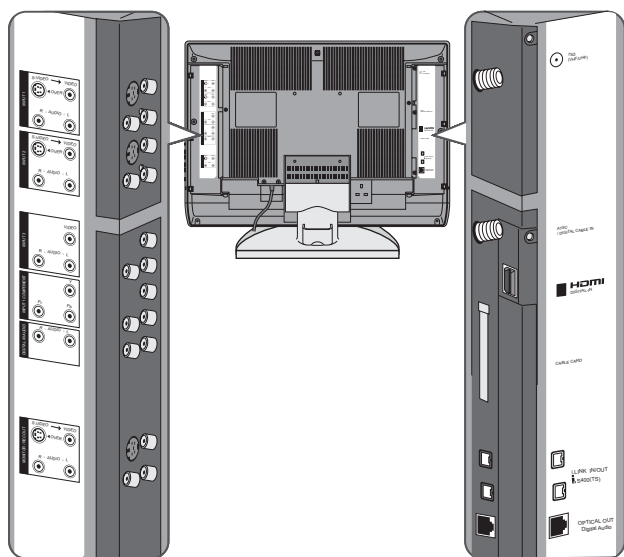
RF Cable × 2



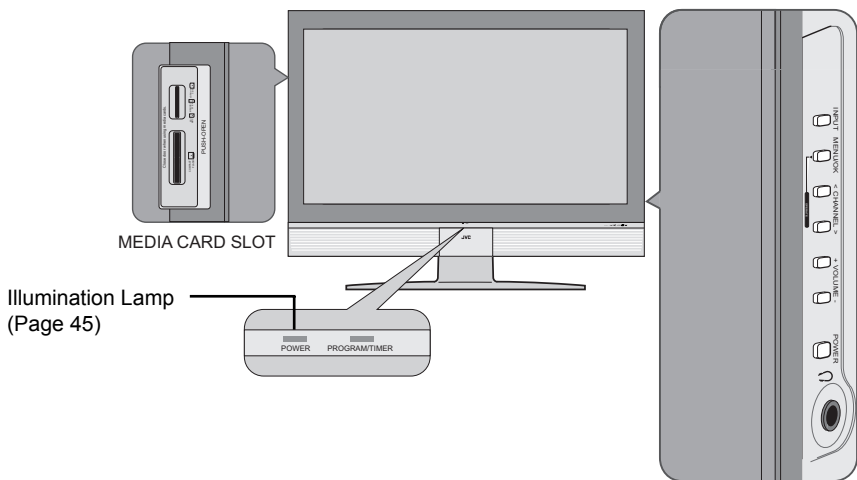
Two Way Splitter x 1

NOTE: Before you connect your television to another device, please refer to the proper diagrams for your specific TV and remote. These will help assist you in understanding how to connect your television to another device, as well as use the remote to set up your television.

Rear Panel Diagram

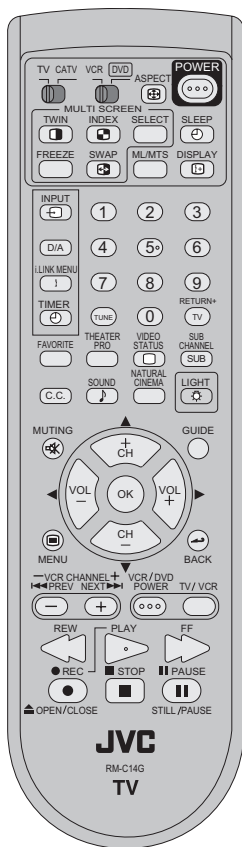


Side Panel Diagram



Note:

- Media Card slot is for LT-40X776 ONLY. To open the door, gently press the "PUSH OPEN".



RM-C14G

Notes:

- For information on remote control buttons, see pages 59 - 69 and 73 - 78.
- i.LINK MENU, TIMER, SUB CHANNEL, FAVORITE and GUIDE buttons are for digital channels. If your TV is connected to an ATSC antenna or Digital Cable, you can use these buttons.

Getting Started

These quick setup pages will provide you, in four easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

Step 1 - Using the stand

This TV comes with a Table Top Stand already attached.

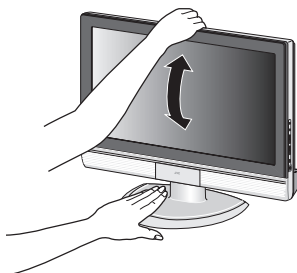
This stand can be used to adjust the direction of the TV screen 5° up, 10° down and 20° to the left or right.

These illustrations are for LT-26X776 and LT-32X776. The stands for the LT-37X776 and LT-40X776 are different. You can only adjust the direction of the TV screen 20° to the left or right.

Tilt the TV up or down

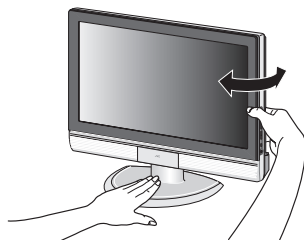
While holding the bottom of the stand with one hand, use your other hand to hold the middle of the top of the TV, and slowly tilt the TV up or down.

- As a safety measure, the stand is constructed so that it requires a certain amount of force to tilt the TV.



Rotate the TV left or right

While holding the bottom of the stand with one hand, use your other hand to hold the edge of the panel and slowly adjust the direction of the TV stand.



Cable Holder

A cable holder which keeps your connection cables tidy is attached on the back of the stand. Gently squeeze the left and right of the cable holder, and pull it to remove it from the stand. After putting the cables in the cable holder, attach it to the back of the stand again.

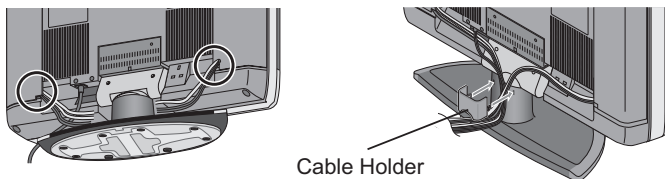


Illustration of LT-32X776 and LT-26X776

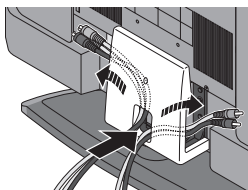


Illustration of LT-37X776 and LT-40X776

Remove the terminal cover

There are connection terminals behind the covers on the left and right in the back of the TV. Remove these two covers before connecting an antenna or other devices. The covers can be removed by removing the hooks. When replacing the covers, place the side of the covers against the TV and insert the hooks.

Note:

- Leave the terminal covers off if they do not fit properly. Do not force to replace the covers. Doing so may damage the connection cables and covers.

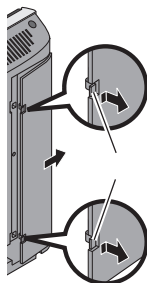


Illustration of
LT-32X776 and LT-26X776

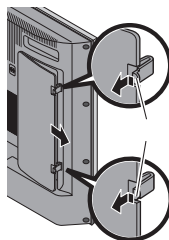
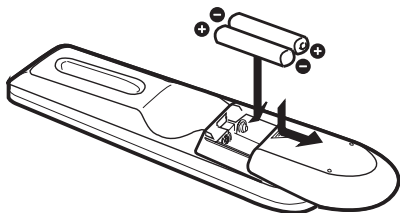


Illustration of
LT-37X776 and LT-40X776

Step 2 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

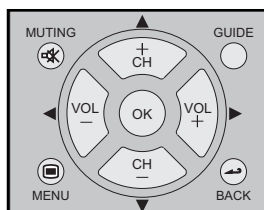
Slide the cover on the back of the remote down towards the bottom of the remote control. Insert two batteries (included) carefully noting the “+” and “-” markings, placing the “-” end in the unit first. Slide the cover back into place.



When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 28 - 31.

Key Feature Buttons

The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH-. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the MENU button.



Basic Operation

Turn the television on and off by pressing the POWER button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.

- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.
- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 28 to 31 for instructions on programming your remote control to operate a cable box, VCR or DVD player.



Step 3 - Connecting your devices

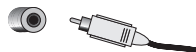
To make these connections, you will use plugs like the ones illustrated below.

S-Video Cable



Used to make video connections with S-Video VCRs, Camcorders and DVD players.

Component Cables Composite Cables Audio Cables

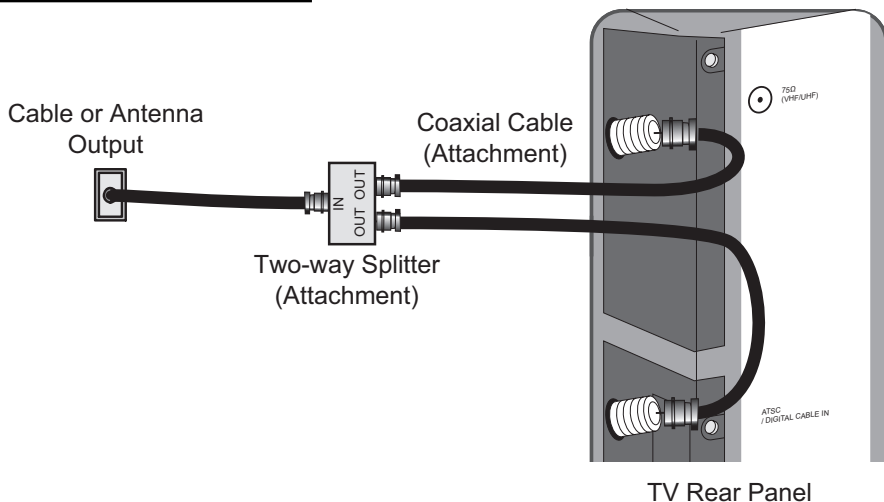


Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

Notes:

- These connections are examples.
- After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.
- If you follow these diagrams and the television does not work properly, contact your local cable operator.
- To connect a DVD player, see VCR Connection. A DVD player is optional
- If you have a satellite television system, refer to the satellite TV manual.

No VCR Connection

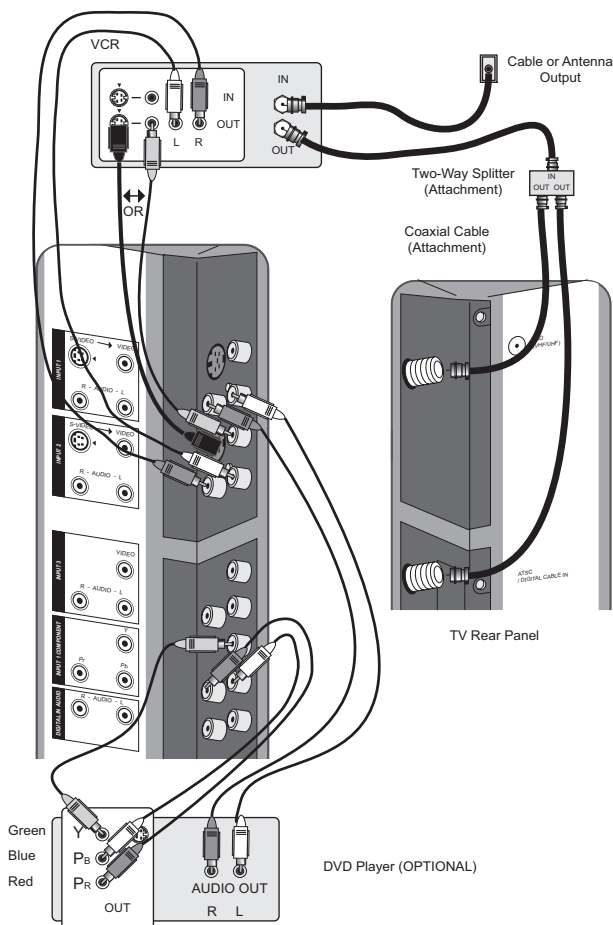


VCR Connection

Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- You may also connect the DVD player to Input 1.

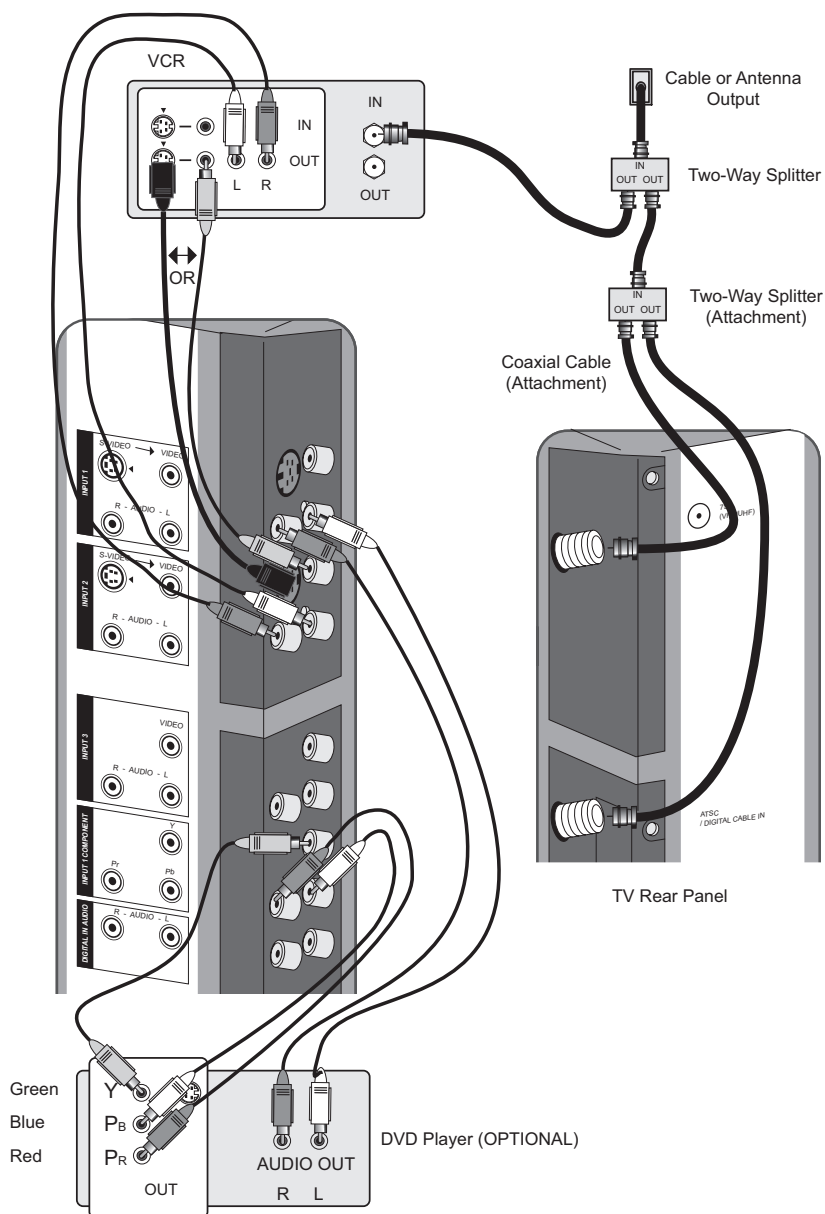
Diagram #1



Note:

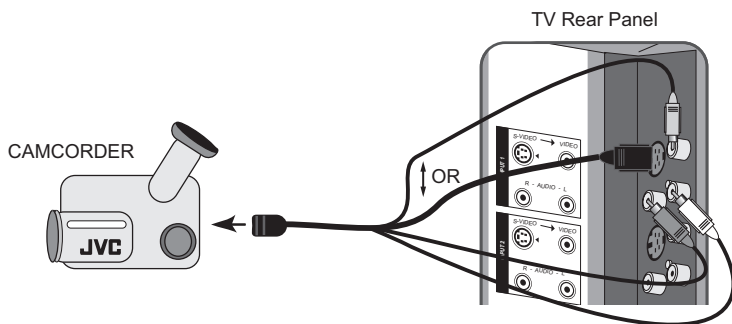
- If this connection setup does not work for you, try the connection setup on page 17.

Diagram #2



Connecting to a Camcorder

You can connect a camcorder to you television by using the input jacks located on the back of the television.



- 1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the back of the TV, **OR** connect an S-Video cable from the camcorder to the back of the TV.
- 2) Connect a white cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the back of the TV.
- 3) Connect a red cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the back of the TV.

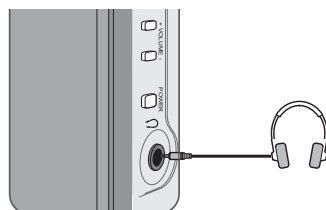
Note:

- If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the back of the TV.

Headphone Connection

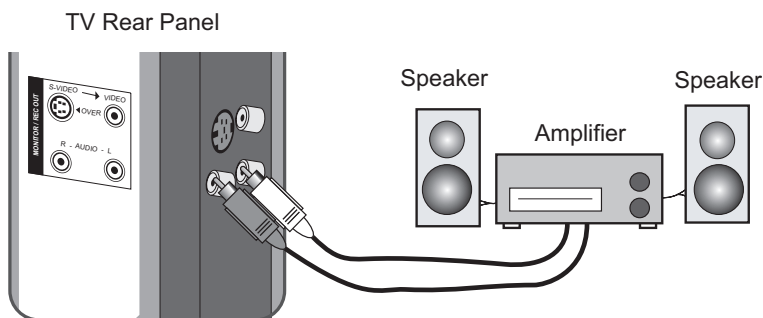
You can connect a pair of headphones to the television using the headphone jack located on the side of the television.

- 1) Plug a headphone jack into the headphone jack on the television's side panel.



TV Side Panel

Connecting to an External Amplifier

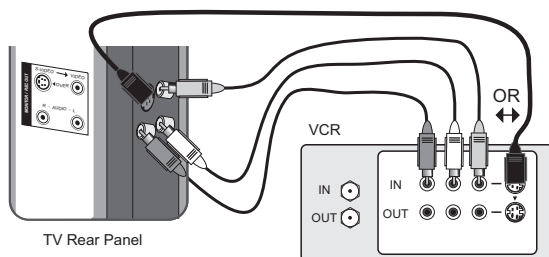


- 1) Connect a white cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
- 2) Connect a red cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

- Refer to your amplifier's manual for more information.
- You can use AUDIO OUTPUT for your home theater system.
- DVI analog sound can not be outputted.

Connecting to Monitor/Recording Output Terminal

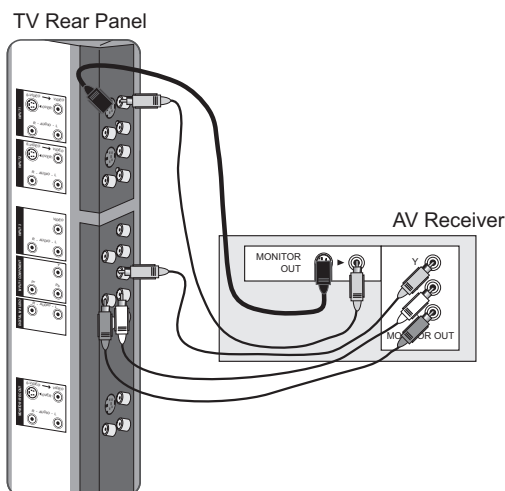


Notes:

- When you make this connection, set the Video-1 Monitor Out menu to ON. See page 51.
- If you are receiving ATSC/Digital Cable signal, it can be outputted to the S-Video output terminal or Video (composite video) terminal.
- If you are receiving Analog TV signal, it can not be outputted to the S-Video output terminal.
- No signal will be outputted through the S-Video output terminal when you are not viewing images coming from the composite video input terminal.
- No signal will be outputted through the Monitor/Recording output terminal when you are viewing images from the component video input.

Connecting to an AV Receiver using your television's V1 Smart Input

By connecting your AV Receiver to your television's V1 Smart Input, you can watch picture sources from many different devices, without having to change or use the other input connections on your TV. This allows you to free up the other input connections so you can connect more devices to your television.



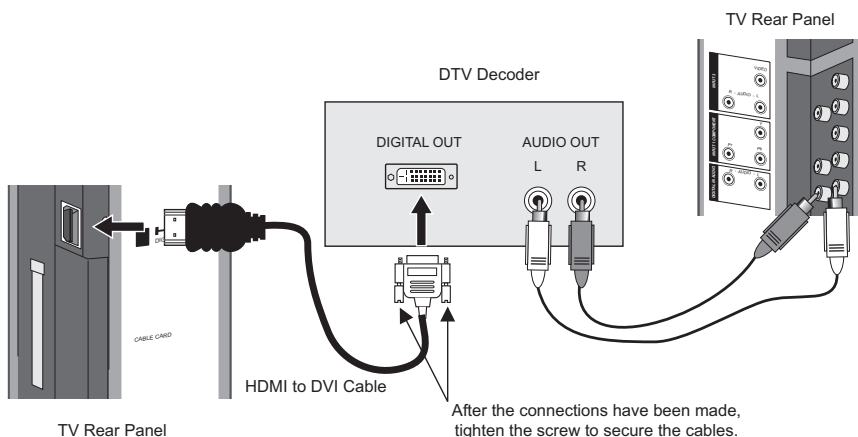
- 1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your television.
- 2) Connect a Yellow Composite Cable from the AV Receiver's MONITOR OUT, into the VIDEO INPUT-1 on the back of your television.
- 3) Connect a Green Component Cable from the AV Receiver's Y MONITOR OUT, into the Y VIDEO INPUT-1 on the back of your television.
- 4) Connect a Blue Component Cable from the AV Receiver's Pb MONITOR OUT, into the Pb VIDEO INPUT-1 on the back of your television.
- 5) Connect a Red Component Cable from the AV Receiver's Pr MONITOR OUT, into the Pr VIDEO INPUT-1 on the back of your television.

Notes:

- Please refer to your AV Receiver instruction manual for more information on connecting your speakers and other devices like a DVD player.
- Use your AV Receiver's remote to switch to the different devices you have connected.
- Some AV Receivers may not respond when the V1 Smart Input function is turned on.
- If you have video connections for each input device connected to your AV Receiver, you should not connect them using both S-Video and Composite connection at the same time when you are using V1 Input as the V1 Smart Input. In this case we recommend using the S-Video connection.

Connecting to a Digital TV Receiver

By connecting a Digital TV Receiver, high definition pictures can be displayed on your TV in their digital form.



- 1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN on the back of your television.
 - 2) Connect a red cable from the DTV decoder RIGHT AUDIO OUT, to the RIGHT AUDIO DIGITAL-IN on the back of your television.
 - 3) Connect a white cable from the DTV decoder LEFT AUDIO OUT, to the LEFT AUDIO DIGITAL-IN on the back of your television.
- The digital-in terminal is not compatible with the picture signal of a personal computer.
 - Use a HDMI to DVI cable (commercially available) in order to digitally connect the television with a DTV decoder.

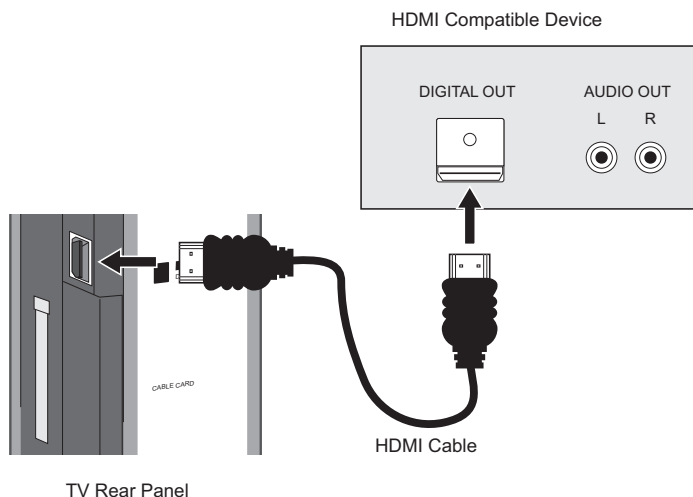
Notes:

- If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. Access the "DIGITAL-IN" in the initial setup menu to adjust it. (Refer to page 52.)
- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 52.

Connecting to a HDMI Compatible Device

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form. Some HDMI devices can include DVD players, D-VHS or any HDMI compatible device.

HDMI (High Definition Multimedia Interface) is the first industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as a set-top box, DVD player, A/V receiver or an audio and/or video monitor, such as a digital television (DTV).



- 1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN on the back of your television.

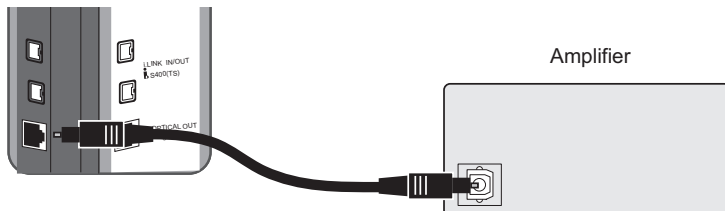
Notes:

- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 52.
- Some decoders may not respond depending on the equipment that you have connected when it is connected to the HDMI.
- If the HDMI output device signal is changed (for example, 480i/60Hz is changed to 480p/60Hz), the screen may turn green and there may be some distortion for a short time until the signal becomes stable.

Connecting to an amplifier using your optical output

You can connect an amplifier that has an optical digital input terminal by using an optical digital cable from the optical output. The signal that is output can be PCM or Dolby Digital.

Television Rear Panel




- 1) Connect the optical cable from underneath the television to the back of the amplifier.

Notes:

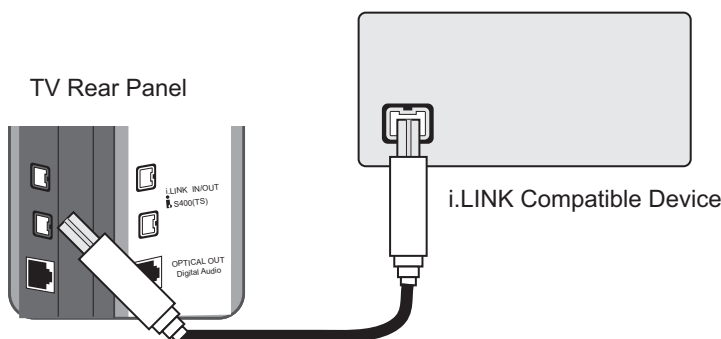
- This terminal can only output digital audio.
- In order to use the optical output connection, select PCM or Dolby Digital on Digital Sound in the Digital Setup Menu. See page 71.
- Refer to your owners manual on using your amplifier.

Connecting an i.LINK compatible device to the back of your television

i.LINK is a digital serial interface that allows devices equipped with an i.LINK connector to exchange digital video signals, digital audio signals and device control signals bi-directionally over a single cable. (For example, a JVC D-VHS VCR).

i.LINK refers to the IEEE1394-1995 industry specification and extensions thereof. The  logo is used for products compliant with the i.LINK standard.

This projection television uses a four-pin i.LINK connector to input and output MPEG2 video signals, audio signals and control signals.



- 1) Connect the i.LINK cable from underneath the TV to the back of the i.LINK compatible device.

Notes:

- Use only the S400 i.LINK cable when connection your devices.
- See page 74 on how to select the i.LINK device.
- Refer to your owners manual on using your i.LINK device.
- When recording or playing back video with an i.LINK device, if you perform the Auto Tuner Setup, the video signal you are recording or playing back may stop or you may not be able to perform the Digital Auto Tuner Setup.
- Your television can connect with i.LINK D-VHS decks and HD-Camcorders (JVC brand only). If you connect other brand devices, with i.LINK cable, they will not work.
- It can play only the recorded contents in Digital Mode.
- Use only tapes bearing the DVHS (SVHS) mark for recording.

Step 4 – The Interactive Plug In Menu

When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

- The language in which you want the onscreen menus to appear.
- Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.
- The auto tuner setup of which channels you wish to receive.

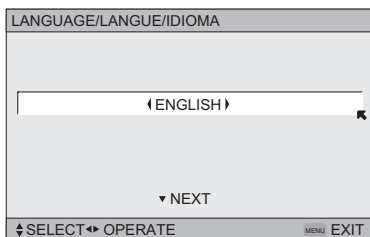
We recommend you complete the interactive plug-in items before you start using your television.

Notes:

- The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case use the onscreen menus to perform these settings. See pages 45, 57, 35.
- If you press the Menu button while setting up the interactive plug-in menu, it will skip over it.

Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).



To choose a language:
(English, Français or Español)



To NEXT (To set clock)

(To be continued...)

Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public analog broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:

SET CLOCK	
MODE	◀ AUTO ▶
TIME	-- : --
TIME ZONE	◀ ATLANTIC ▶
DATE/YEAR	JAN/01/05
D.S.T.	◀ ON ▶
▼ NEXT	
◀ SELECT ▶ OPERATE MENU EXIT	

- ◀▶ To choose AUTO
- ▼ To TIME ZONE
- ◀▶ To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
- ▼ To move to D.S.T. (Daylight Savings Time)
- ◀▶ To turn D.S.T. ON or OFF
- ▼ To NEXT (To Auto Tuner Setup)

Notes:

- D.S.T. can be used when it is set to ON in the SET CLOCK menu.
- Only when the MODE is set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.

SET CLOCK	
MODE	◀ MANUAL ▶
TIME	-- : --
TIME ZONE	◀ ATLANTIC ▶
DATE/YEAR	JAN/01/05
D.S.T.	◀ ON ▶
▼ START CLOCK	
◀ SELECT ▶ OPERATE MENU EXIT	

- ◀▶ To choose MANUAL
- ▼ To TIME
- ◀▶ To set the hour
- ▼ To minute
- ◀▶ To set the minute
- ▼ To TIME ZONE
- ◀▶ To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
- ▼ To DATE/YEAR
- ◀▶ To set the month
- ▼ To day
- ◀▶ To set the day
- ▼ To year
- ◀▶ To set the year
- ▼ To move to D.S.T. (Daylight Savings Time)
- ◀▶ To turn D.S.T. ON or OFF
- ▼ To START CLOCK

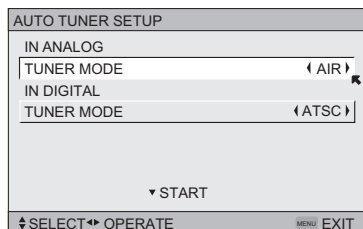
Note:

- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

(To be continued...)

Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/- buttons) you will receive only clear, active channels. There are two tuner modes to choose from, ANALOG or DIGITAL.



To choose CABLE or AIR (or SKIP when you skip Analog Auto Tuner Setup)



To TUNER MODE (IN DIGITAL)

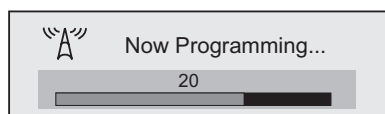


To choose ATSC or Digital Cable (or SKIP when you skip Digital Auto Tuner Setup)



To START

After Analog Auto Tuner Setup is finished, Digital Auto Tuner Setup starts.



When the setup is finished, "THANK YOU ! SETUP IS NOW COMPLETE" is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

- If you want to cancel the Auto Tuner Setup, press the MENU button.
- Noise muting will not work during Auto Tuner Setup.
- If you choose SKIP, it finished without doing the Auto Tuner Setup.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.



The Quick Setup is complete

Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

- 1) Find the cable box or satellite brand from the list of codes shown below.
 - 2) Slide the 2-way selector switch to "CATV".
 - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
 - 4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.
- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 31.

Cable Box	Codes	Cable Box	Codes	Digital Satellite Systems	Codes
ABC	024	Puser	032		
Archer	032, 025	RCA	061, 070	Echostar (Dish Network)	100, 113, 114, 115
Cableview	051, 032	Realistic	032		
Citizen	022, 051	Regal	058, 064, 040, 041, 042, 045, 068	Express VU	100, 113
Curtis	058, 059			G.E.	106
Diamond	024, 032, 025	Regency	034	G.I.	108, 120, 121, 122
Eagle	029				
Eastern	034	Rembrandt	037, 032, 051, 038	Gradiente	112
GC Brand	032, 051	Samsung	051	Hitachi	104, 111
Gemini	022, 043	Scientific Atlanta	057, 058, 059	HNS (Hughes)	104
General Instrument/Jerrol	065, 024, 025, 026, 027, 020, 021, 022, 057, 023, 072, 074	SLMark	051, 047	Magnavox	102, 103
		Sprucer	051, 056		
		Hamlin	040, 041, 042, 045, 058, 064	Stargate	032, 051
Hitachi	049, 024	Telecaption	067	Philips	102, 103, 116
		Televue	047, 051	Primestar	108
Macom	049, 050, 051, 054	Texscan	044	Proscan	106, 109, 110
Magnavox		Tocom	035, 036, 066, 074	RCA	106, 109, 110
Memorex	030	Toshiba	050, 048	Sony	107
Movietime	032, 051			Star Choice	104, 108
Oak	039, 037, 048	Unika	032, 025	Toshiba	101, 104, 117, 118, 119
Panasonic	055, 056, 060, 071, 073	Universal	022, 032		
Paragon	063	Videoway	052	Uniden	102, 103
		Viewstar	029, 030		
Philips	028, 029, 030, 052, 053, 031, 069	Zenith	063, 046		
Pioneer	047, 062	Zenith/Drake Satellite	046		
Pulsar	051, 032				

Remote Programming

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

- 1) Find the VCR brand from the list of codes shown below.
 - 2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR".
 - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
 - 4) Release the DISPLAY button, and confirm the operation of the VCR.
- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 31.
 - After you program your remote, some VCR buttons may not work properly. If so, use the VCR's remote.
 - To record, hold down the REC button on the remote and press PLAY.

VCR	Codes	VCR	Codes	VCR	Codes
Admiral	035	Marantz	003, 004, 005	Samsung	037, 060, 062, 033, 089
Aiwa	027, 032, 095	Marta	064	Samtron	089
Akai	029, 072, 073, 074	Memorex	024, 067	Sansui	003, 026, 020, 052
Audio Dynamic	003, 005	MGA	038, 040, 047, 048, 041, 042	Sanyo	063, 067, 091, 071
Bell & Howell	063, 071	Minolta	058, 045, 093	Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Broksonic	020, 026, 094	Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090	Sears	063, 064, 065, 066, 058
Canon	023, 025	Multitech	047, 027, 062	Sharp	035, 036, 080, 088
CCE	043	NEC	003, 004, 005, 000	Shintom	075
Citizen	064	Olympic	024, 023	Signature 2000	027, 035
Craig	063, 029, 064	Optimus	028, 021, 035, 064	Singer	075
Curtis Mathes	045, 024, 027, 093	Orion	026, 020	Sony	028, 029, 030, 053, 054, 055
Daewoo	043, 059, 024, 092	Panasonic	023, 024, 021, 022	SV 2000	027
DBX	003, 004, 005	Penney	024, 058, 045, 063, 003, 004, 005, 093	Sylvania	031, 023, 024, 027
Dimensia	045, 093	Pentax	058, 005, 045, 093	Symphonic	027, 081
Emerson	043, 026, 077, 061, 025, 042, 020, 076	Philco	031, 024, 027, 023, 026, 020, 043	Tashiro	064
Fisher	063, 066, 067, 065, 071, 091	Philips	031, 023, 024, 086	Tatung	003, 004, 005
Funai	027, 026, 020, 000	Pioneer	023	Teac	003, 004, 027, 005
G.E.	033, 045, 024	Proscan	045, 058, 023, 024, 031, 046, 059, 060, 093, 033, 087	Technics	021, 022, 023, 024
Go Video	037, 051, 049, 050, 089	Quasar	021, 022, 023, 024	Teknika	024, 027, 070
Goldstar	064	Radio Shack	033, 024, 063, 036, 067, 040, 027	Thomson	033, 096
Gradiente	083, 084, 081, 000, 001	RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093, 096	Toshiba	059, 046, 079
Hitachi	023, 045, 058, 093, 027, 081	Realistic	024, 063, 036, 067, 040, 027	Vector Research	005
Instant Replay	024, 023			Wards	035, 036, 067, 044, 064
Jensen	003			Yamaha	063, 003, 004, 005
JVC	003, 004, 005, 000, 001, 002, 006, 007			Zenith	044, 082, 064, 094
Kenwood	003, 004, 064, 005				
LG	064				
LXI	027, 064, 058, 065, 066, 063, 067				
Magnavox	031, 023, 024, 086				

Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

- 1) Find the DVD player brand from the list of codes shown below.
 - 2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "DVD".
 - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
 - 4) Release the DISPLAY button, and confirm the operation of the DVD player.
- If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 31.
 - After you program your remote, some DVD buttons may not work properly. If so, use the DVD player's remote.

DVD Player	Codes	DVD Player	Codes	DVD Player	Codes
Aiwa	043	Mintek	057	Sharp	028
Apex	040, 054, 055	Mitsubishi	025	Sylvania	038
Bose	058	Next Base	056	SMC	048
Denon	020, 037	Onkyo	041, 052	Sony	024, 045, 046, 047
Funai	038	Oritron	044	Technics	020
Go-Video	032	Panasonic	020	Thomson	021
Harman Kardon	053	Philips	023, 036	Toshiba	023
Hitachi	031	Pioneer	022	Venturer	051
JVC	000	Polk Audio	036	Vialta	050
Kenwood	035, 020	Raite	033	Wave	042
KLH	051	RCA	021, 026	Yamaha	020, 049
Konka	039	Sampo	034	Zenith	027, 032
Koss	050	Samsung	030		

Remote Programming

Search Codes

Cable/Satellite Search Codes Function

- 1) Slide the first 2-Way Mode Selector switch to CATV.
- 2) Press the POWER and RETURN+/TV buttons. Hold for at least three seconds and release.
- 3) Press the POWER button on the remote, and see if the cable or satellite box responds.
- 4) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times without a response, use the remote control that came with your equipment.
- 5) Press RETURN+/TV to exit.


VCR/DVD Search Codes Function

- 1) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR" or "DVD".
- 2) Press the VCR or DVD POWER and RETURN+/TV buttons. Hold for at least three seconds and release.
- 3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
- 4) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
- 5) Press RETURN+/TV to exit.

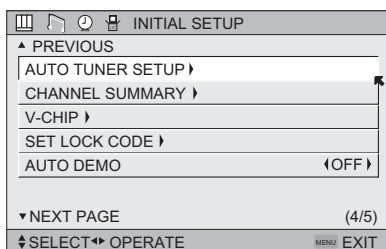
Onscreen Menus

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

- ▲▼ Up and Down arrows mean press the CH+ or CH- buttons. Pressing the CH+ or CH- buttons let you:
 - Move vertically in a main menu screen
 - Move through a submenu screen
 - Move to the next letter, number, or other choice in a submenu
 - Back up to correct an error
 - Scan through TV channels (when not in a menu screen)
- ◀▶ Left and right arrows mean press the VOLUME+ or VOLUME- buttons to move left or right to:
 - Select a highlighted menu item
 - Select an item in a submenu
 - Select numbers in certain menu options
 - Turn the volume up or down (when not in a menu screen)
-  The “press button” icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)
- ↖ The “helping arrow” icon points to the highlighted or selected item in a menu.

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's side panel instead of the remote, an additional menu screen showing VIDEO STATUS and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST. The “interactive plug-in menu” will appear the first time the TV is plugged in.



Note:

- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

Onscreen Menus

The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 25 - 27.

The Onscreen Menu System

To open the onscreen menu system, press the MENU button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the CH +/- and VOL +/- buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.

**Selected Option
(Green)**



**Selected Option
(Blue)**

To move to a different feature use the ▲ ▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◀ ▶ to select an option from the highlighted feature. Pressing MENU on the remote control will close the onscreen menu system and return you to normal television viewing.

Each menu and its features will be discussed in the following pages of this guide.

Notes:

- If you do not press any buttons for a few seconds, the onscreen menu will automatically shut off.
- Button names in this guide are shown in SMALL CAPITAL LETTERS.
- Menus may appear in different sizes onscreen depending on the aspect ratio selected.
- Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

Onscreen Menus



Press the MENU button



TO INITIAL SETUP 03



INITIAL SETUP	
▲ PREVIOUS	
AUTO TUNER SETUP ▶	
CHANNEL SUMMARY ▶	
V-CHIP ▶	
SET LOCK CODE ▶	
AUTO DEMO (OFF) ▶	
▼ NEXT PAGE (4/5)	
SELECT	OPERATE EXIT

INITIAL SETUP 04



INITIAL SETUP	
▲ PREVIOUS	
DIGITAL SETUP ▶	
MEDIA CARD VIEWER ▶	
▼ NEXT PAGE (5/5)	
SELECT	OPERATE EXIT

INITIAL SETUP 05



PICTURE ADJUST	
▲ PREVIOUS STANDARD	
TINT (00) ▶	
COLOR (00) ▶	
PICTURE (00) ▶	
BRIGHT (00) ▶	
DETAIL (00) ▶	
ENERGY SAVER MODE ▶	
▼ NEXT PAGE (1/2)	
SELECT	OPERATE EXIT

PICTURE ADJUST 01

CLOCK / TIMERS	
▲ PREVIOUS	
SET CLOCK ▶	
ON / OFF TIMER ▶	
▼ NEXT PAGE	
SELECT	OPERATE EXIT

CLOCK/TIMERS



SOUND ADJUST	
▲ PREVIOUS	
BASS (00) ▶	
TREBLE (00) ▶	
BALANCE (00) ▶	
RESET	
▼ NEXT PAGE	
SELECT	OPERATE EXIT

SOUND ADJUST



INITIAL SETUP	
▲ PREVIOUS	
VIDEO-1 MONITOR OUT (OFF) ▶	
DIGITAL-IN (SIZE1) ▶	
DIGITAL-IN AUDIO (DIGITAL) ▶	
▼ NEXT PAGE (1/5)	
SELECT	OPERATE EXIT

INITIAL SETUP 01



INITIAL SETUP	
▲ PREVIOUS	
NOISE MUTING (ON) ▶	
FRONT PANEL LOCK (OFF) ▶	
V1 SMART INPUT (ON) ▶	
VIDEO INPUT LABEL ▶	
POSITION ADJUSTMENT ▶	
POWER INDICATOR (LOW) ▶	
▼ NEXT PAGE (2/5)	
SELECT	OPERATE EXIT

INITIAL SETUP 02

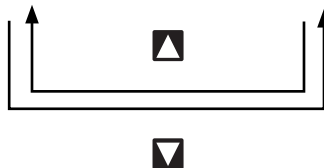


INITIAL SETUP	
▲ PREVIOUS	
ILLUMINATION (LOW) ▶	
LANGUAGE ENG. FRAN. ESP. ▶	
CLOSED CAPTION ▶	
AUTO SHUT OFF (OFF) ▶	
XDS ID (ON) ▶	
▼ NEXT PAGE (3/5)	
SELECT	OPERATE EXIT

INITIAL SETUP 03



TO INITIAL SETUP 04



Notes:

- The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the digital-in terminal and the picture is being displayed on the screen.
- When the Menu button on the TV side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 05 and PICTURE ADJUST 01 will appear.
- Regarding the digital setup menu, see page 70.
- MEDIA CARD VIEWER is for LT-40X776 ONLY.

Initial Setup

Auto Tuner Setup

The auto tuner setup function is described on page 27 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.



Press the MENU button



To AUTO TUNER SETUP



To operate



To TUNER MODE (IN ANALOG)



To choose CABLE, AIR or SKIP



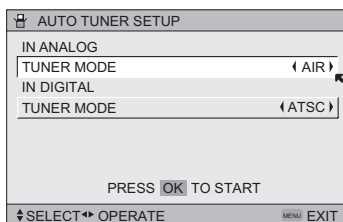
To TUNER MODE (IN DIGITAL)



To choose ATSC, DIGITAL CABLE or SKIP



Press the Ok button to start



Programming will take approximately 2 to 4 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.



Press the Menu button when finished

Initial Setup

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. Regarding analog channels, you can add or delete channels from the line-up or prevent any unauthorized viewers from watching any or all 191 channels. Regarding digital channels, the only channels that will appear are the ones that are broadcasting.



Press the MENU button



To CHANNEL SUMMARY



To operate

The Channel summary screen will now be displayed with the channels set to scan marked with an "√". Regarding analog channels, you can delete channels from the scan by removing the "√". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "√" next to the channel number.

- Digital channels can not be added to the channel summary if the auto tuner setup did not find them.



To the SCAN column



Press the Ok button to include or delete from scan



Press the MENU button when finished

Note:

- The number of a digital channel may change, depending on the time of some broadcastings. If this channel existed and now had disappeared, the lock channel or scanned channel by the channel summary for that channel will be cancelled.

Analog Channels

CHANNEL SUMMARY				
CHNO.	SCAN	ID		
01				
02	√	MTV		
03				
04	√	A&E		
05	√	E!		
06	√	HBO		
07	√	L		
08				
09	√			
10				
SELECT OPERATE MENU EXIT				

Digital Channels

Channel Summary Digital				
CH No.	Scan	Station Name		
D01	√	FOX		
D02	√	ABC		
D02		CNN		
D10-1	√	NBC		
D10-2		BOX		
D12345	√	NHK		
Operate BACK Back MENU Exit				

Note:

- When the Cable Card is not inserted into the Cable Card Slot:
If you are watching analog channels, the above screen appears.
If you are watching digital channels, the below screen appears.
- When the Cable Card is inserted into the Cable Card Slot:
Below screen appears
Both analog and digital channels are listed, but the background video is not displayed.

Initial Setup

How to set the channel label. *(This is only for analog broadcasting.)*



Press the MENU button



To CHANNEL SUMMARY



To operate



To the ID column



Press the Ok button to enter



To select the character you want



To move to the next space

...continue to follow these directions for all four spaces

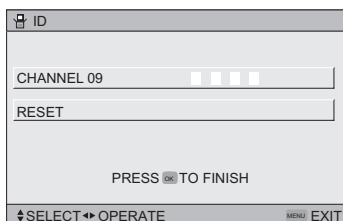


Press the Ok button to finish

Your characters are now set



Press the MENU button when finished



If you want to reset the characters you set:



Press the MENU button



To CHANNEL SUMMARY



To operate



To the ID column



Press the Ok button to enter



To select RESET



Press the Ok button to finish

Your characters are now reset

Notes:

- You can use characters for: Alphabet, numbers, marks and spaces.
- It is possible to set the maximum of 40 channel labels.
- If you try to set more than the 40 maximum, the message "MEMORY OVERFLOW" will appear.

You can block access to a channel by activating the channel lock.



Press the MENU button



To CHANNEL SUMMARY



To operate



To the Lock Column ()



Press the ZERO button to lock or unlock that channel



Press the MENU button when finished

Initial Setup

Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.

If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.

THIS CHANNEL IS LOCKED BY
CHANNEL GUARD.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.

NO. ----

Notes:

- Once a channel has been unlocked, it will remain unlocked until the television is turned off.
- See also "Set Lock Code", page 44.

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines. V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.

Note: Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 39 for information on how to block unrated programs.

Note (for Canadian viewers): The V-Chip function is based on specifications designed for the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings (for programming broadcast from the United States), Canadian V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next six pages along with descriptions of the rating categories.

To access the rating categories:



Press the MENU button



To V-CHIP



To operate (Lock icon  will appear)



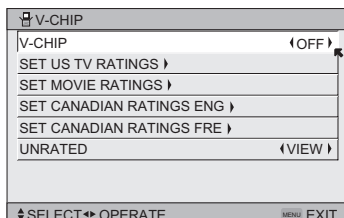
Press ZERO to access the V-Chip menu



To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)



To move to SET US TV RATINGS, SET MOVIE RATINGS, or SET CANADIAN RATINGS (see following pages for descriptions of each item)



Initial Setup

Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.



Press the MENU button



To V-CHIP



To operate (The lock icon  appears)



Press ZERO to access V-Chip setup options



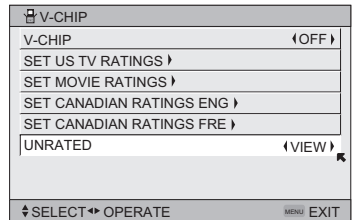
To UNRATED



To VIEW or BLOCK



Press MENU when done



Initial Setup

US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS

Programs with the following ratings are appropriate for children.

☐ **TV Y is Appropriate for All Children**

Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.

☐ **TV Y7 is for Older Children**

Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

☐ **TV G stands for General Audience**

Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.

☐ **TV PG Parental Guidance Suggested**

May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.

☐ **TV 14 Parents Strongly Cautioned**

Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.

☐ **TV MA Mature Audiences Only**

These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings




Press the MENU button



To V-CHIP



To operate (lock icon  appears)



Press ZERO to access the V-Chip menu



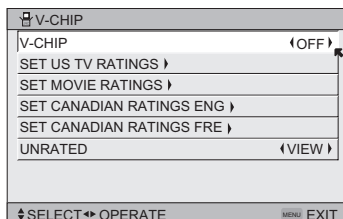
To turn V-Chip ON or OFF






To move to SET US TV RATINGS



To operate



Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the  or  to move the cursor to the correct location. Press Ok to turn the locking feature on or off. An item is locked if the  icon appears instead of a “—”.

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.



To the TV 14 Column



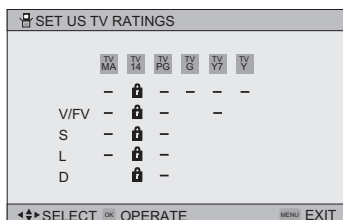
Press the Ok button to lock



Press the MENU button when finished

Note:

- If you want to change the setup, move the cursor to the top column and change the lock icon to “—” by pressing OK again. You may then select individual categories to block.



Initial Setup

Movies Ratings

☐ **NR – Not Rated**

This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.

☐ **G – General Audience**

In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.

☐ **PG – Parental Guidance**

Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.

☐ **PG-13 – Parents Strongly Cautioned**

Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.

☐ **R – Restricted**

These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.

☐ **NC-17 – No One Under 17**

These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.

☐ **X – No One under 18**

Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings




Press the MENU button



To V-CHIP



To operate (Lock icon  appears)



Press ZERO to access V-Chip setup options



To SET MOVIE RATINGS



To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:



To the X Column



Press the Ok button to lock



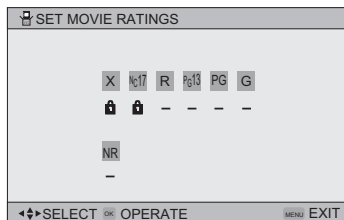
To the NC-17 Column



Press the Ok button to lock



Press the MENU button to finish



Initial Setup

Canadian V-Chip Ratings

☐ **E – Exempt**

Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.

☐ **C – Programming Intended for Children**

Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.

☐ **C8+ – Programming Intended for Children 8 and Over**

Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.

☐ **G – General Audience**

Programming will contain little violence and will be sensitive to themes which could affect younger children.

☐ **PG – Parental Guidance**

Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.

☐ **14+ – 14 Years and Older**

Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.

☐ **18+ – Adult**

Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings




Press the MENU button



To V-CHIP



To operate (lock icon  appears)



Press ZERO to access V-Chip setup options



To SET CANADIAN RATINGS ENG (for English)



To enter ratings menu

For example:

To block viewing of programming rated 14+ and 18+:



To the 18+ Column



Press the Ok button to lock



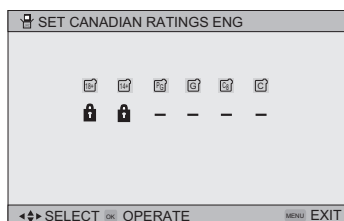
To the 14+ Column



Press the Ok button to lock



Press the MENU button to finish



Note:

- For instructions on “SET CANADIAN RATINGS FRE (in French)”, please see page 43 in the French side of this user’s guide.

Initial Setup

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset with a lock code of "0000". You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.




Press the MENU button



To SET LOCK CODE



To operate (lock icon  appears)



Press ZERO to access the lock code

The first digit will be highlighted



To select the number



To move to the next digit

Continue to follow these directions for all four numbers



Press the OK button to finish (your lock code is now set)



Press the Menu button when finished

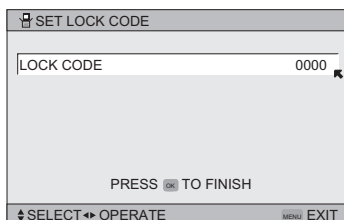
When a viewer attempts to watch a blocked channel, this message appears:

THIS PROGRAMMING EXCEEDS
YOUR RATING LIMITS.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
NO. - - -

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

- After a power interruption you must reset the lock code.
- Write your lock code number down and keep it hidden from potential viewers.
- If you forget the lock code, a new code may be set using the steps listed above.



Initial Setup

Auto Demo

This function lets you preview the Dynamic Gamma demo.



Press the MENU button



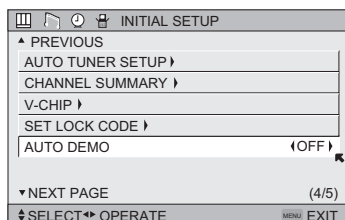
To AUTO DEMO



To turn AUTO DEMO ON or OFF

Notes:

- Auto demo starts 2 seconds after it is set to ON.
- To stop auto demo, press the BACK button.



Illumination

The illumination feature allows you to adjust the brightness of the light on the front of the television. When you turn the power on the television, the front panel light remains on when illumination is set to LOW or HIGH.



Press the Menu button



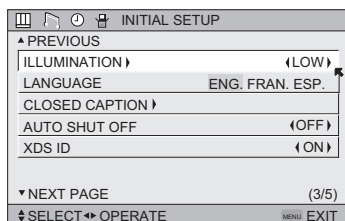
To ILLUMINATION



To choose HIGH, LOW or OFF



Press the MENU button when finished



Language

The language function is described on page 25 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.



Press the Menu button



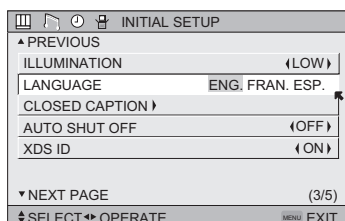
To LANGUAGE



To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)



Press the MENU button when finished



Initial Setup

Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below. There are three methods. When you are watching analog channels, you can perform Analog Setting of closed caption. When you are watching digital channels, you can perform Digital Auto Setting or Digital Manual Setting.

Analog Setting



Press the MENU button



To CLOSED CAPTION



To enter



To MODE



To select CAPTION or TEXT in MODE



To CAPTION or TEXT



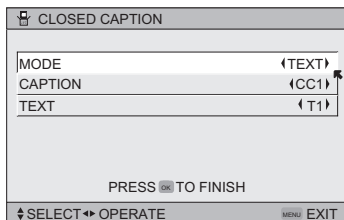
To select a caption (CC1 to CC4) or text channel (T1 to T4)



Press the Ok button to save



Press the MENU button when finished



Digital Auto Setting



Press the MENU button



To CLOSED CAPTION



To enter



To Type



To select Auto, Advanced or Basic

Auto: Shows closed caption a priority for digital channels over analog channels. It is set automatically.

Advanced: Shows only the digital closed caption.

Basic: Shows only the analog closed caption.



To Service



To select 1, 2, 3, 4, 5 or 6



To Appearance



To enter



To select Auto



To Set

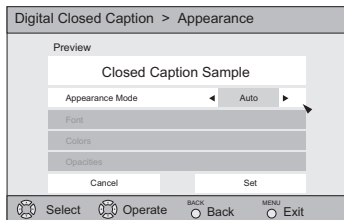
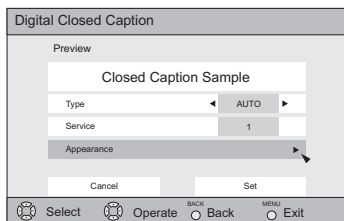


Press the Ok button to save

The font/type and color are set automatically.



Press the MENU button when finished



Note:

- If you want to cancel the settings, select cancel.

Initial Setup

Digital Manual Setting



Press the MENU button



To CLOSED CAPTION



To enter



To Type



To select Auto, Advanced or Basic



To Service



To select 1, 2, 3, 4, 5 or 6



To Appearance



To enter



To select Manual



To Font



To enter



To select Font Size or Font Style



To select the setting you like

Font Size: Auto, Standard, Large or Small

Font Style: Auto, Serif Mono, Serif, Sanserif mono, Sanserif, Casual, Cursive or Small Capital



To Set



Press the Ok button to save



To Colors



To enter



To select Text, Edge or Background



To select the setting you like

Auto, White, Black, Red, Green, Blue, Yellow, Magenta or Cyan



To Set



Press the Ok button to save



To Opacities



To enter



To select Text/Edge or Background



To select Auto, Transparent, Translucent, Solid or Flashing



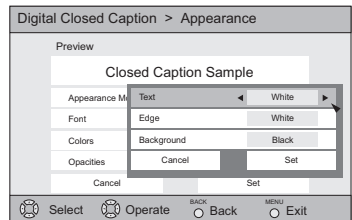
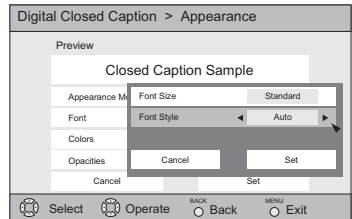
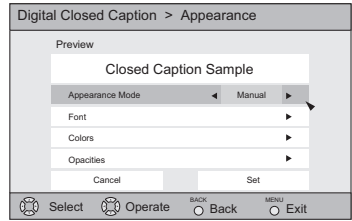
To Set



Press the Ok button to save



Press the MENU button when finished



All fonts used for digital closed caption and digital menus are licensed from Monotype Imaging Inc.

Notes:

- Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
- Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
- Most broadcasts containing closed captioning will display a notice at the start of the program.
- To select the mode, press the C.C. button. See page 65.

Initial Setup

Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.



Press the MENU button



To AUTO SHUT OFF

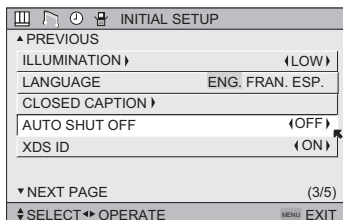


To turn ON or OFF



Press the MENU button when finished

- If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL" appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.
- When i.LINK is displayed, Auto Shut Off will not work.



XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.



Press the MENU button



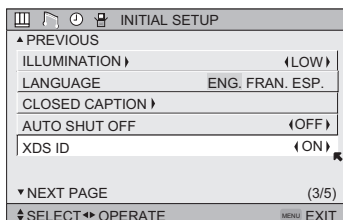
To XDS ID



To turn ON or OFF



Press the MENU button when finished



Initial Setup

Noise Muting

This feature inserts a blank grey screen over channels which are not broadcasting or are too weak to be received clearly.



Press the MENU button



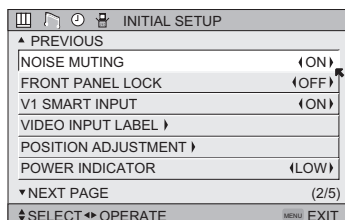
To NOISE MUTING



To turn noise muting ON or OFF



Press the MENU button when finished



Note:

- Noise muting will not work during auto tuner setup or when you operate channel summary.
- Noise muting will not work when the digital TV or i.LINK is displayed.

Front Panel Lock

This allows you to lock the keys on the side of the TV, so that a child may not accidentally change your viewing preferences.



Press the MENU button



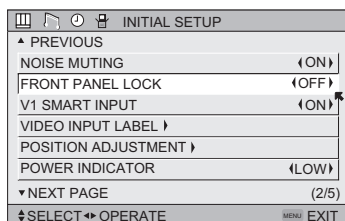
To FRONT PANEL LOCK



To turn ON or OFF



Press the MENU button when finished



You can turn off this feature in the following ways:

- Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.
- Use the remote control.
- Press the MENU button on the side of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

- To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

Initial Setup

V1 Smart Input

This feature is used if you have connected an AV Receiver to your television. By turning this feature on, your television can automatically detect the signal source from your components that are connected to your AV Receiver.



Press the MENU button



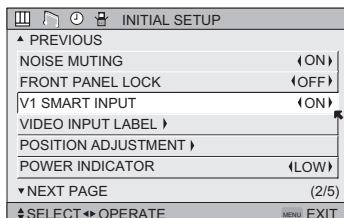
To V1 SMART INPUT
To turn ON or OFF



Press the MENU button when finished

Notes:

- If you do not have an AV Receiver connected to your television, turn this feature OFF.
- Some AV Receivers may not work with this function.



Video Input Label

This function is used to label video input connections for the onscreen displays.



Press the MENU button



To VIDEO INPUT LABEL



To operate



To select the desired video input



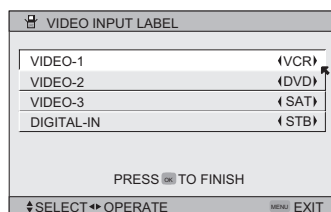
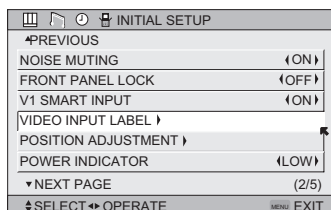
To select the desired preset input label (see chart below)



Press the OK button to save



Press the MENU button when finished



Preset Labels	Select when...
VCR	You have a VCR connected to the video input
DVD	You have a DVD connected to the video input
DVHS	You have a Digital VCR connected to the video input
STB	You have a Set-top Box connected to the video input
SAT	You have a Satellite Receiver connected to the video input
AMP	You have an Amplifier connected to the video input
GAME	You have a Video Game connected to the video input
CAM	You have a Video Camera connected to the video input
DISC	You have a Video Disc player connected to the video input

Initial Setup

Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema, or full.



Press the MENU button



To POSITION ADJUSTMENT



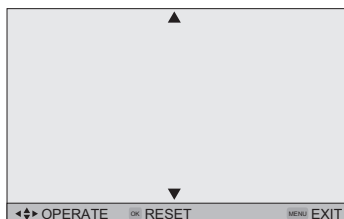
To enter



To adjust the position



Press the MENU button to finish



Notes:

- To reset the adjustment to the center, press the Ok button.
- When the arrow disappears, while you are adjusting the position, the position is at it's maximum limit.
- If you select regular size and slim size with aspect or Multi Screen, position adjustment option is not seen.
- When you change the screen size, perform the position adjustment again.
- Position adjustment allows you to adjust the screen position vertically and horizontally when the aspect is set PANORAMA ZOOM or CINEMA ZOOM for 1080i and 720p signals.

Power Indicator

Power indicator allows you to adjust the brightness of the power indicator



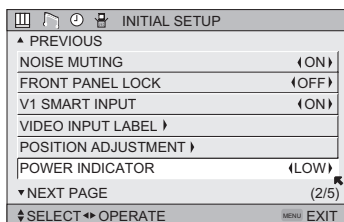
Press the MENU button



To POWER INDICATOR



To adjust POWER INDICATOR LOW, HIGH or OFF



Note:

- If you set a timer on the TV, the power indicator will light even if the TV is on stand by.

Video-1 Monitor Out

This function allows you to set whether the signal, which comes from VIDEO-1 input terminal, should be output from MONITOR OUT terminal. If you select it from MONITOR OUT, set it to "ON".



Press the MENU button



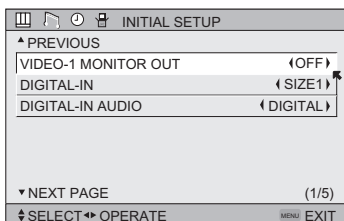
To VIDEO-1 MONITOR OUT



To select ON or OFF



Press the MENU button to finish



Initial Setup

Digital-In

The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when a 480p picture signal is being input to the DIGITAL-IN terminal. This option adjusts the position when a 480p picture signal is being displayed on the screen. There are two types of 480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.



Press the MENU button



To DIGITAL-IN



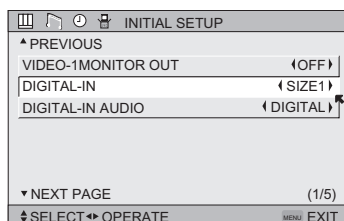
To enter



To select AUTO, SIZE1 or SIZE2



Press the MENU button to finish



Notes:

- The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the Digital-In terminal and the picture is being displayed on the screen.
- You can select AUTO only when the signal is 480p for HDMI. When you select AUTO, the television will select "SIZE1" or "SIZE2" automatically.

Digital-In Audio

This feature is used if you have a DTV or HDMI compatible component connected to your TV.



Press the MENU button



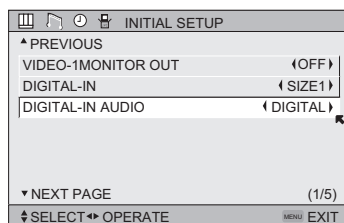
To DIGITAL-IN AUDIO



To select "ANALOG", "DIGITAL" or "AUTO"



Press the Menu button when finished



Notes:

- If your DTV or HDMI component is capable of digital audio and video, choose DIGITAL. If your DTV or HDMI component is capable of analog audio and digital video, choose ANALOG.
- Refer to your DTV or HDMI component's instruction manual for more information.
- When you select DIGITAL, select PCM on Digital Sound in the Digital Setup menu. See page 71.
- When you select AUTO, the television will select "ANALOG" or "DIGITAL" automatically, depending on the audio input from the HDMI.

Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT

Tint allows you to adjust the levels of red and green in your TV picture.

COLOR

The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE

Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT

You can adjust the overall brightness of the TV picture with the Bright control.

DETAIL

The Detail feature adjusts the level of fine detail displayed in the picture.

ENERGY SAVER MODE

The energy saver mode adjusts the level of brightness on the TV screen.

Adjust the Picture Settings



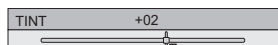
Press the MENU button



To TINT, COLOR, PICTURE, BRIGHT, DETAIL or ENERGY SAVER MODE



To enter



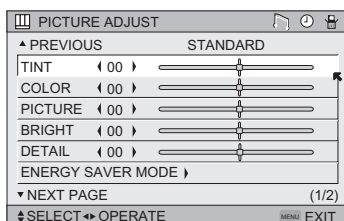
To adjust the setting



To move to the next setting



Press the MENU button when finished



Color Temperature

You can decide how strong or dull the colors appear on the TV screen.



Press the MENU button



To COLOR TEMPERATURE



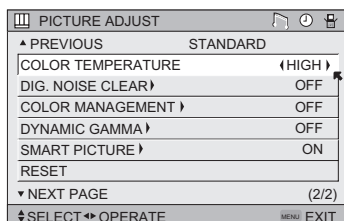
To enter



To set LOW or HIGH



Press the MENU button when finished



Picture Adjust

Digital Noise Clear

With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.



Press the MENU button



To DIG. NOISE CLEAR



To enter



To select the mode "LOW", "HIGH" or "OFF"



Press the MENU button when finished

DIG. NOISE CLEAR	
OFF	→
LOW	
HIGH	

Color Management

This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.



Press the MENU button



To COLOR MANAGEMENT



To enter



To select the mode "ON" or "OFF"



Press the MENU button when finished

COLOR MANAGEMENT	
ON	→
OFF	

Dynamic Gamma

JVC's Dynamic Gamma Circuitry (DGC makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black DGC automatically enhances the detail in these dark areas providing a more dynamic image with finer detail, so the optimum picture settings are automatically set for each picture. Normally use with DGC on.



Press the MENU button



To DYNAMIC GAMMA



To enter



To turn ON or OFF



Press the MENU button when finished

DYNAMIC GAMMA	
ON	→
OFF	

Picture Adjust

Smart Picture

Smart Picture detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.



Press the MENU button



To SMART PICTURE



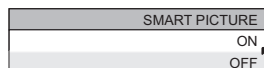
To enter



To select the mode "ON" or "OFF"



Press the MENU button when finished



Note:

- When you have "DYNAMIC" selected in the "VIDEO STATUS", Smart Picture is not selected.

Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, energy saver mode, color temperature, dig. noise clear, color management and dynamic gamma and smart picture) at once to the default settings.



Press the MENU button



To RESET

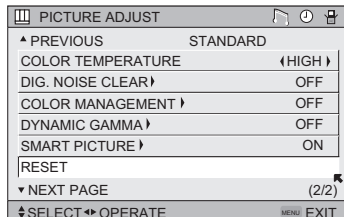


To enter

The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.



Press the MENU button when finished



Sound Adjust

Sound Settings

These settings allow you to change and adjust the sound on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings



Press the MENU button



To BASS, TREBLE or BALANCE

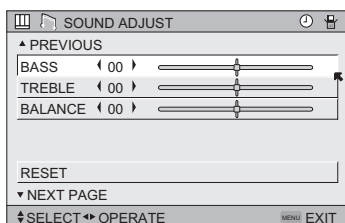
To adjust the setting



To move to the next setting



Press the MENU button when finished



Note:

- You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 55.
- You can adjust BALANCE only when A.H.S. is off. See page 62.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 55 on how to use reset.

Clock/Timers

Set Clock

The set clock function is described on page 26 as the interactive plug-in menu. You can choose to set the clock automatically or manually. If you need to set the clock again, follow the steps below.



Press the MENU button



To SET CLOCK



To enter

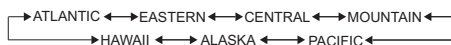
When you set the clock automatically, choose AUTO by pressing the ◀ or ▶ arrows.



To TIME ZONE



To select your time zone



To D.S.T. (daylight savings time)



To turn D.S.T. ON or OFF



Press OK to finish



Press the MENU button when finished

SET CLOCK	
MODE	◀ AUTO ▶
TIME	-- : --
TIME ZONE	◀ ATLANTIC ▶
DATE/YEAR	JAN/01/05
D.S.T.	◀ ON ▶
PRESS [OK] TO FINISH	
SELECT	OPERATE
MENU EXIT	

When you set the clock manually, choose MANUAL by pressing the ◀ or ▶ arrows.



To move to the hours



To set the hours



To move to minutes



To set the minutes



To TIME ZONE



To select your time zone:

(Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)



To DATE/YEAR



To set the month



To day



To set the day



To year



To set the year



To D.S.T. (daylight savings time)



To turn D.S.T. ON or OFF



Press OK to start clock

THANK YOU !!



Press the MENU button when finished

SET CLOCK	
MODE	◀ MANUAL ▶
TIME	-- : --
TIME ZONE	◀ ATLANTIC ▶
DATE/YEAR	JAN/01/05
D.S.T.	◀ ON ▶
PRESS [OK] TO START CLOCK	
SELECT	OPERATE
MENU EXIT	

Notes:

- D.S.T. can be used when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Clock/Timers

On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.



Press the MENU button



To ON/OFF TIMER



To operate (begins with ON TIME)



To set the hour (AM/PM) you want the TV to turn on



To move to minutes



To set the minutes



To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME



To accept OFF TIME and move to CHANNEL



To select channel



To ON VOLUME



To set the volume level



To move to MODE



Choose ONCE or EVERYDAY



To ON/OFF TIMER



Choose YES to accept the timer setting, choose NO if you don't wish to accept



Press the OK button to finish



Press the MENU button to exit the menu

ON/OFF TIMER	
ON TIME	7:00 PM
OFF TIME	10:00 PM
CHANNEL	03
ON VOLUME	CURRENT
MODE	← EVERYDAY →
ON/OFF TIMER	← NO →
PRESS [OK] TO FINISH	
← SELECT →	OPERATE [MENU] EXIT

Notes:

- The on/off time cannot be set to locked or guarded channels.
- In order for the on/off timer to work, the clock must be set.
- After a power interruption, the timer settings must be reset.

Button Functions

Multi Screen Function

Your television has two kinds of screen: TWIN (2 channels) and INDEX (12 channels).

Note: After you press any multiscreen button, if you press the menu button, only the picture adjust screen will appear.

Index

This allows you to quickly look at up to 12 channels at a time so that you can decide which one to watch.

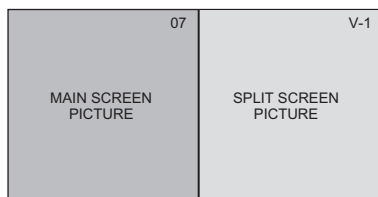
1	2	3	4
5	6	7	8
9	10	11	12

Notes:

- Only RF input signal will be displayed.
- You can watch the channel added in channel summary. See page 36.

Twin

Activate the split-screen option by pressing Twin on the remote control. The channel (or input) you were watching before pressing Twin will appear on the left, the new channel will appear on the right. The sound will continue to come from the main screen channel (or input). To turn split-screen off and return to normal television viewing, press TWIN again or press the BACK button.



Notes:

- If the signal that you are watching is coming from the HDMI input, you cannot enter the SWAP or INDEX mode.
- Main Screen and Split Screen will not display the same channel or input at the same time.
- You can enter the TWIN mode when the screen is in NORMAL or INDEX mode.
- Split-screen functions will not work with locked channels or channels blocked by V-Chip ratings limits. A grey screen will display instead.
- With split screen, the picture from the component terminal and DIGITAL-IN terminal will not be displayed.
- The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p, 720p and 1080i from the component terminal and DIGITAL-IN terminal.
- After you press the Select button, and select SPLIT SCREEN when you press the OK button, select normal screen. If you don't operate, the MAIN CHANNEL SCREEN will be automatically selected about 8 seconds later.
- Aspect does not work in Twin mode.
- When you press the Menu button in Twin mode, it appears only as Picture Adjust menu.
- When the cable card is inserted into the TV, the combination of analog broadcasting and digital broadcasting will not appear in the TWIN mode.

Button Functions

Freeze

Pressing the FREEZE button causes the screen to change to the split-screen display with the still picture displayed on the right. In order to return to the normal display, press the FREEZE button once again.

Note: When the screen is in freeze mode, if you do not operate it within 15 minutes, this function will cancel out.

Swap

You can exchange the channel (or input) displayed in the split screen window for the main screen image by pressing the SWAP button.

Note:

- It will only work in TWIN mode.

Select

With SELECT, you can select the picture (channel) while viewing SPLIT screen. When you press SELECT button, the channel number on the top will be highlighted. Each press of SELECT will shift the channel.

Button Functions

Power

Turns the TV on or off.



Press the POWER button

Note:

- When you press the power button on the TV, and you are tuned to a digital channel or i.Link, "NOW WARMING UP... PLEASE WAIT" appears on the screen. It takes a little while to warm up.

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 12:



0 (Zero)



1 (One)



2 (Two)

Tune

Lets you decide the input channel and select it. After you press the number buttons on the remote, press the TUNE button. For example, to move to channel 12:



1 (One)



2 (Two)



Press the TUNE button

Input

Selects the signal input source for the television: VIDEO-1, 2, 3, DIGITAL-IN or i.LINK for video devices like VCRs, DVD players or camcorders.



Press the INPUT button

By every press of the INPUT button, you can change the input mode.

Notes:

- When you return to TV mode, press the RETURN +/- button or direct 10 key pad or CHANNEL +/- button.
- You can also access by pressing the INPUT button on the side of the TV instead of the remote control.
- i.LINK can be selected only when you have an i.LINK device connected.

TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.



Press the THEATERPRO button

Button Functions

Return +/-TV

The RETURN+/TV button has three functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH- buttons.

TV - Returns to the TV mode.



Press the RETURN+/TV and hold for three seconds

RETURN CHANNEL
PROGRAMMED!

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/- buttons.



Press the RETURN+/TV

You will return to your programmed channel.

- To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message "RETURN CHANNEL CANCELLED!" will appear.
- Return+ works only with the Channel+/- buttons. Pressing any number key will cancel return+.

Sound

By pressing the SOUND button, you can change the A.H.S. (Advanced Hyper Surround) mode, BBE, SMART SOUND and A.H.B (Active Hyper Bass) on or off.

A.H.S. - Adds a more spacious surround sound. Music gives basic effect and movie for more effect.

BBE - BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.

SMART SOUND - Decreases high sound levels, giving a regulated sound level.

A.H.B. - You can reinforce the bass sound to maintain rich, full bass at low volumes, and enjoy a clear sound with boosted bass.



Press the SOUND button



To select A.H.S., BBE, SMART SOUND or A.H.B.



To choose the setting



Press the MENU when finished

SOUND EFFECT			
A.H.S.	MOVIE	MUSIC	OFF
BBE	ON	OFF	
SMART SOUND	ON	OFF	
A.H.B.	ON	OFF	
SELECT			OPERATE
			MENU EXIT

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Note: Smart Sound may become an unnatural effect, depending on the signal source.

Button Functions

Muting

The **MUTING** button instantly turns the volume down completely when you press it. Press **MUTING** and the volume level will instantly go to zero. To restore the volume to its previous level, press **MUTING** again.

Video Status

The **VIDEO STATUS** button gives you a choice of four TV picture display settings, including a display of your own preferences.

Standard - Resets the picture display to the factory settings.

Dynamic - Gives a vivid picture with better contrast when viewing in a brightly lit room.

Theater - Gives a rich, film-like look to video when viewing in a dimly lit room.

Game - Used for when you are playing video games connected to your TV.

VIDEO STATUS
STANDARD
DYNAMIC
THEATER
GAME



Press the **VIDEO STATUS** button

*By every press of the **VIDEO STATUS** button, you change the mode.*

Note:

- You can also change the mode by pressing the **▲▼** buttons.
- You can also access the **FRONT CONTROL PANEL** screen by using the **MENU** button on the side of the TV instead of the remote control. It appears between **INITIAL SETUP** and **PICTURE ADJUST** screen, and it has **VIDEO STATUS** and **ASPECT** menus. Choose **VIDEO STATUS** by pressing **MENU ▼** on the side panel and choose a mode by using the **CHANNEL +/-** buttons (**◀ OPERATE ▶**).

Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, press **NATURAL CINEMA** and set it to **AUTO**. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.



Press the **NATURAL CINEMA** button

Notes: The natural cinema mode is automatically set to "AUTO" in the following cases:

- Turning on or off
- Changing the channel or input mode
- Using multi-screen functions

NATURAL CINEMA
AUTO
ON
OFF

Button Functions

Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.



Press the SLEEP button



Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:

GOOD NIGHT!!
PUSH SLEEP TIMER BUTTON
TO EXTEND

You then have 20 seconds to press the SLEEP button to delay the shut off for another 15 minutes.

ML/MTS

MTS technology allows several audio signals to be broadcast in analog at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).



Press the ML/MTS button

By every press of the ML/MTS button, you change the mode

MTS	
ON AIR	STEREO
ON AIR	SAP
MONO	

Notes:

- When you are receiving a digital broadcast, if there are other languages, you can change the language by pressing the ML/MTS button.
- Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
- Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
- Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
- MTS unavailable if your television's Input source is in input 1, 2, 3 or 4 mode, as described on page 61.
- ML/MTS will not work when you are using the Digital-In.
- You can also change the mode by pressing the ▲▼ buttons.

Button Functions

Display

The display screen shows the current status of timers, inputs and XDS ID.

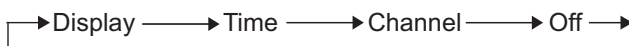


Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:

05 KLVX PBS	
JAZZ FESTIVAL	
NOW	12:20 PM
SLEEP TIMER	OFF
ON/OFF TIMER	EVERYDAY
ON TIME	7:00 PM
OFF TIME	10:00 PM



Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.
- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.



Press the C.C. button

Notes:

- SMART CAPTION will appear when you press the Muting button, only on channels where the broadcast contains closed captioning.
- When you select ON, it will be the mode selected in the Closed Caption Menu.
- See page 46 when you set the caption/text mode.
- You can also change the mode by pressing the ▲▼ buttons.

CLOSED CAPTION
OFF
SMART CAPTION
ON

Channel +/-

Use these buttons to move up or down all the available channels your TV is able to receive.

Volume +/-

Use these buttons to raise or lower the TV's volume level.

Button Functions

Favorite

The Favorite button allows you to select your favorite channels easily. First, you must register the channels that you like. See how to register below.



Press the FAVORITE button
The favorite channel list will appear.



To select the channel you want to watch



Press the Ok button
It will change to the channel you have selected.

FAVORITE	
▲ PREVIOUS	
101	CBS
102	FOX
D103	PBS2
<	>
D107	HBO
8	ABC
▼ NEXT	

Register the favorite channel



Press the channel number you want to register
The channel program will change.



Press the FAVORITE button for three seconds
The channel will be registered in the favorite channel list.

Notes:

- Both analog and digital channels can be registered. The digital channels have a "D" in front of the channel number.
- The maximum number of channels you can register is 24.
- If you have registered the maximum number of channels, and try to register more channels, the oldest channel you registered will be deleted.
- Sub channels can not be registered.
- The newest channel you registered will appear at the top of the list.
- Regarding digital channels, see pages 73 - 78.

Delete the favorite channel



Press the FAVORITE button
The favorite channel list will appear.



To select the channel you want to delete



To enter



Press the Ok button
The channel was deleted.



Press the FAVORITE button when finished

Note:

- Before pressing the FAVORITE button when you are finished, press the ◀▶ button again, and you can return to the deleted channel.

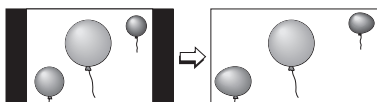
Button Functions

Aspect

This feature will help you adjust the picture you are watching to give you the best possible picture quality.

Aspect Ratios

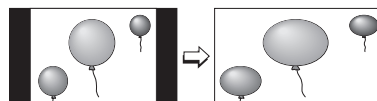
PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.



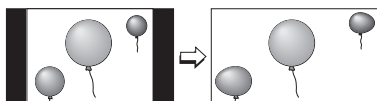
CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.



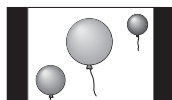
FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.



PANORAMA ZOOM - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black side bars.



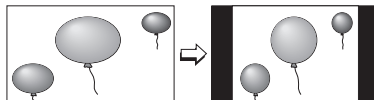
REGULAR - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fill the screen from top to bottom, while black bars will appear to fill up the remaining space along the picture's sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.



CINEMA ZOOM - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.



SLIM - This aspect mode shrinks the screen of 16:9 to 4:3. There are some programming that is already stretched by mistake at broadcasting companies, so this mode corrects it. Black side bars will appear.



Button Functions

Aspect Ratios (Continued)



Press the ASPECT button

- *By pressing the ASPECT button, you can change the size.*

When you change the aspect ratios, it is different from their broadcast or recorded program.

NTSC, 480i, 480p

ASPECT
PANORAMA
CINEMA
FULL
REGULAR

HD (1080i, 720p)
ATSC (1080i, 720p)

ASPECT
PANORAMA ZOOM
CINEMA ZOOM
FULL

ATSC (480i, 480p)

ASPECT
PANORAMA ZOOM
CINEMA ZOOM
FULL
SLIM

Notes:

- You can also choose the size by pressing the ▲▼ buttons.
- When you change the aspect ratio or signal, reset the picture position to center.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing Menu ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).
- "SLIM" can only be displayed when the signal is ATSC (480i or 480p).
- If the television receives a 16:9 signal from your HDMI device, the aspect mode will turn to FULL automatically. If the television receives a 4:3 signal from your HDMI device when you are in FULL aspect mode, it will return to REGULAR aspect mode. If you change the aspect mode after the television changed it to FULL automatically, the television will change to the aspect mode you chose.
- If you are in Media Card Viewer mode, Aspect can not be used. (LT-40X776 Only)

Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

OK

This button confirms your selection when you are in one of the onscreen menus.

Back

This button allows you to go back in the menu to change a selection or correct a mistake.

Button Functions

TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

- See page 28 for information on programming your remote for cable box operation.

VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 29.
- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 30.

VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on and power off.

Move the selector switch to **VCR** to operate.

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 29.

DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on and power off.

Move the selector switch to **DVD** to operate.

- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 30.

Light

All remote control buttons are illuminated, except for the TV/CATV slide switch, VCR/DVD slide switch and Light button. Press the **LIGHT** button to turn the illumination on for 4 seconds.

Digital Setup

Digital Setup

Use this function when you are receiving a digital broadcast.



Press the MENU button



To DIGITAL SETUP

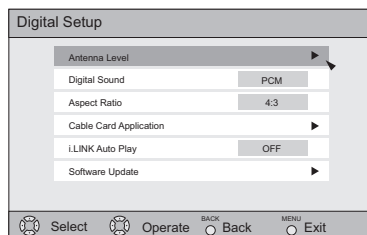


To enter

The onscreen will appear

Notes:

- Software Update will only appear when the SD Card is inserted.
- If you are watching an analog channel, you can still access the digital setup menu at anytime, while you are doing this, the background screen will turn blank. In this case, the tuner will switch to digital, since you are accessing the digital setup menu.



Antenna Level

Confirms the present antenna level.



Press the MENU button



To DIGITAL SETUP



To enter



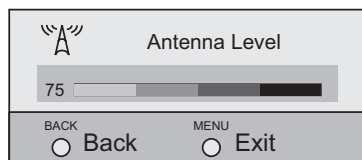
To Antenna Level



To enter

Note:

- If you are watching an analog channel or a signal from your i.Link device, antenna level will not appear.



Digital Setup

Digital Sound

You can select the optical digital sound output, either PCM or Dolby Digital when your TV is connected to an amplifier that has Dolby Digital decoder. If you select Dolby Digital, you can enjoy listening in 5.1ch sound when watching digital broadcasts.



Press the MENU button



To DIGITAL SETUP



To enter



To Digital Sound



To select PCM or DOLBY DIGITAL



Press the MENU button when finished

Notes:

- If your amplifier does not have Dolby Digital decoder, select PCM. If you don't select PCM, it cannot output the sound from the speakers.
- For connecting an amplifier using the optical output, see page 23.



Manufactured under license from Dolby Laboratories. "Dolby", and the double-D symbol are trademarks of Dolby Laboratories.

Aspect Ratio

You can select the aspect mode for ATSC from 4:3 or 16:9.



Press the MENU button



To DIGITAL SETUP



To enter



To Aspect Ratio



To select 4:3 or 16:9



Press the MENU button when finished

Notes:

- Set the mode to 4:3 or 16:9 before you record a program using the ATSC MONITOR OUT.
- Make sure the mode you choose is the same as the TV's aspect ratio when the recorded program is played back, so that you can obtain a good picture quality, free from any unnatural distortions.

Digital Setup

Cable Card Application



Press the MENU button



To DIGITAL SETUP



To enter



To Cable Card Application



To enter



Press the OK button

The application will perform

i.LINK Auto Play

When playing a D-VHS tape, you can set it to the i.LINK input automatically, or manually.



Press the MENU button



To DIGITAL SETUP



To enter



To i.LINK Auto Play



To select ON or OFF

ON: Set to i.LINK input automatically

OFF: Select the input manually



Press the MENU button when finished

Software Update

At first, insert the SD(Multi-media) card into the memory card slot. This function will appear only when you insert an SD Card.



Press the MENU button



To DIGITAL SETUP



To enter



To Software Update



To enter



Checks the card if it needs an update or not



Press the MENU button when finished

Digital Button Functions

Digital CH D/A (Digital/Analog)

The D/A button changes the analog and digital channel. Each time you press the D/A button, you can switch back and forth the analog and digital channels. Digital channels have a "D" in front of the channel number.

Note:

- If the cable card is inserted into the TV, you cannot use the D/A button. You can select a digital channel only.



Press the D/A button

To watch digital channels

For example, to move to channel D23:



Press 2 (Two)



Press 3 (Three)



Press the TUNE button

Sub Channel

The main channel sometimes has minor channels (Sub Channels). By using the Sub button, you can select a sub channel easily.

For example, to move to sub channel 123-45:



Press 1 (One)



Press 2 (Two)



Press 3 (Three)



Press the SUB button



Press 4 (Four)



Press 5 (Five)



Press the TUNE button

Note:

- If there are more than 2 major channels, select the digital channel by using the ▲▼ buttons and then press the Ok button.

Digital Button Functions

i.LINK Menu

i.LINK has two menus - Controller and Device.

By connecting a D-VHS VCR with an i.LINK cable, you can set the timer easily.

Notes:

- The i.LINK/Timer function will only work when you are receiving digital programming only.
- As for the connection of a D-VHS VCR with the i.LINK cable, see page 24.
- When operating the i.LINK, don't insert or disconnect the i.LINK cable.

Controller

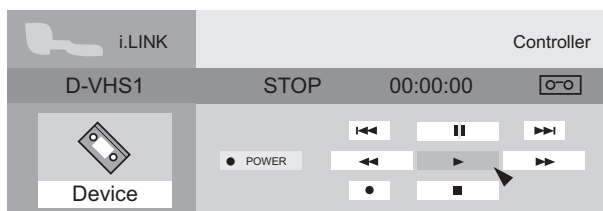
You can operate a D-VHS VCR connected with an i.LINK cable by using this controller.

Notes:

- If the i.LINK is not connected, the Controller OSD will not appear. The OSD of device on page 75 will appear.
- Some controller operations may differ from your D-VHS VCR operations.



Press the i.LINK MENU button



◀▶▲▼ To select the key you want to operate

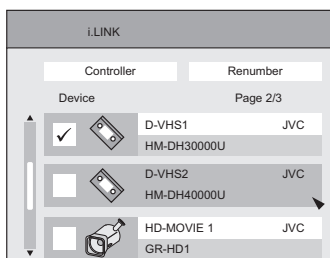


Press the Ok button

Digital Button Functions

Device

To operate, select a device.



To select your device connecting with i.LINK



Press the OK button

Notes:

- If you do not select the device, you cannot use the i.LINK timer functions.
- When one device is selected and you select controller, you will move to the Controller onscreen.
- The devices listed on the device onscreen are only D-VHS and HD-MOVIE that have i.LINK, which can be recognized on this television. However, you can not record programs to HD-MOVIE.
- If you disconnect one device, it will be removed from the list. Then, select Renumber to rearrange the list in the new order.

Digital Button Functions

Timer

You can set the two timers: Record and view. The timer starts the recording or turns to the channel you set for it automatically.

Reservation



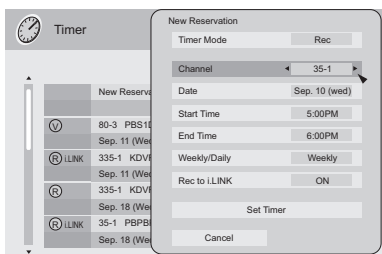
Press the **TIMER** button



To New Reservation



Press the **Ok** button



To Timer Mode



To select Rec or View



To Channel



To select the channel you want to set the timer for



To Date



To select the date



To Start Time



To set the start time



To End Time



To set end time



To Weekly/Daily



To select Once, Weekly, Daily(Sun.-Sat.), Daily(Mon.-Sat.) or Daily(Mon.-Fri.)



To Rec to i.LINK



To select ON or OFF



To Set Timer



Press the **Ok** button

*If you set the Rec on timer mode, set recording **R** is added in front of the program title.*

*If you set the View on timer mode, set viewing **V** is added in front of the program title.*

Notes:

- In order for the timer setting to work, you must set the clock on your television. See page 57.
- When you want to edit the timer settings, see Timer Edit on page 77.

Digital Button Functions

Timer Edit

When you want to confirm the timer you set or edited, or delete the timer setting, use this function.

Timer Edition



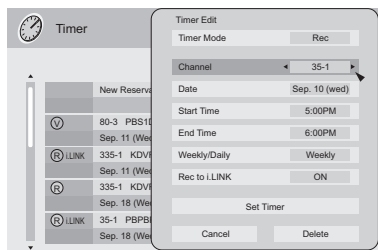
Press the TIMER button



To select the timer list you want to edit



Press the Ok button



◀▶▲▼ To change the setting you want to edit



To Set Timer



Press the Ok button

Timer Deletion



Press the TIMER button



To select the timer list you want to delete



Press the Ok button



To Delete



Press the Ok button

Digital Button Functions

Cancel the timer recording

When you record a digital program now, you can cancel the recording.



Press the **TIMER** button



To select the timer list you want to cancel the recording



Press the **Ok** button

The message "Do you want to terminate current program ?" will appear.



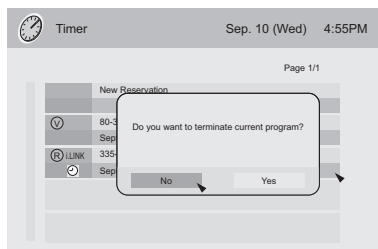
To select

YES: Cancel the recording

NO: Continue the recording



Press the **Ok** button



Guide

You can view the program from the **GUIDE**.

Notes:

- The **GUIDE** function will only work when you are receiving digital programming only.
- The **GUIDE** will not show the correct time and date if you have not performed the set clock function on your television. See page 57.

Media Card Viewer

Note:

- **Media Card Viewer is for LT-40X776**

Readable Media Card

This TV can read the following media cards:

SD Card, MMC (Multi Media Card), Memory Stick, xD-Picture Card, CF Card (CompactFlash Card), Removable microdrive Hard Disk for JVC digital media camera "Everio" (a type of CF Card)

- Read the cautions on the different types of media cards
- Do not remove a media card if it is being used by the TV. A malfunction may cause the card not to operate properly. JVC shall not provide any compensation for any lost content.
- SM Card (Smart Media Card) is not supported.
- CF Card and removable microdrive Hard Disk for JVC "Everio" camera is a type of CF Card compliant with CF+ Type II.

Supported Card Media

The following media are supported in this unit.

(As of May 2005)

Microdrive compact hard disks	Hitachi	2GB, 4GB	* Hard disks with 1GB or smaller capacity are not supported.
SD Memory Cards	Panasonic	128MB, 256MB, 512MB, 1GB	
	LEXAR	128MB	
	SanDisk	32MB, 64MB, 128MB, 256MB	
CompactFlash Cards	LEXAR	512MB, 1GB	
xD-Picture Cards	OLYMPUS	256MB	* This TV does not support any Type M (large capacity) xD-Picture Card™ product
	Fujifilm	32MB, 64MB, 128MB	
Memory Sticks	SONY	64MB, 128MB	* Memory Stick PRO cards are not supported.

Notes:

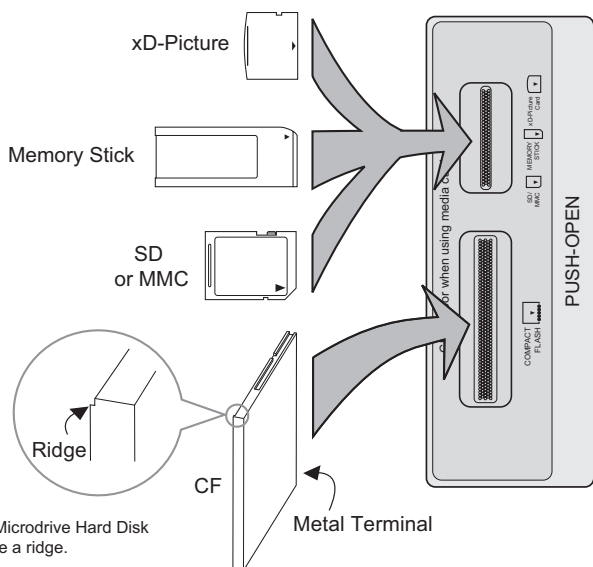
- Operation is not guaranteed for other card media. Usage of other card media can result in the loss of data already recorded on the card.
- Playback of MPEG-2 video on CompactFlash cards requires a high-speed type card.
- Conversion adapters for card media are not supported.
- The unit may have trouble detecting certain cards. In this case, leave the card inserted, and turn the power off and then on again.
- Recognition of the card can take significantly more time if the card contains a large number of files.

* The above supported card media have been confirmed to work with this TV. However, they are not guaranteed to work with your cards.

Media Card Viewer

How to insert Media Card

Before you insert a media card into the card slot, open the door on the left side panel and make sure of the slot type and the direction to insert the card as illustrated. To access, gently push the "PUSH-OPEN" on the door to open it. Once you have inserted the media card, the message "PLEASE CLOSE THE DOOR TO OPERATE" will appear on the screen. Then, close the door. To remove the media card, press the card into the slot again after opening the door.



*Removable Microdrive Hard Disk does not have a ridge.

Note:

- If you do not close the door, it will not operate.

Media Card Viewer

How to operate Media Card Viewer



Press the MENU button



To MEDIA CARD VIEWER

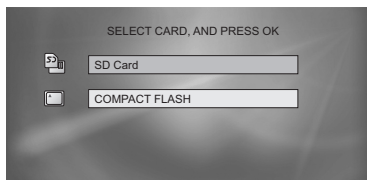


To enter



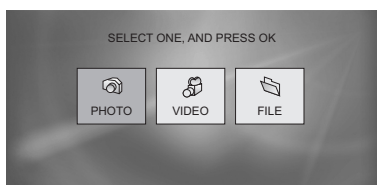
To select SD Card or COMPACT FLASH card

If you only have one media card inserted in the card slot, this menu will not appear.



To enter

The following PHOTO, VIDEO or FILE will appear



To select PHOTO, VIDEO or FILE (Continue to page 82 or 83)

Notes:

- The above screen will change depending on the type of card you insert.
- The sound from the media card can not be changed.
- Onscreen language is linked to LANGUAGE in the Initial Setup Menu.
- When the media card viewer function is used, the menu is not used.
- The following message appears on the TV screen in the following cases:
 - When you are inserting a media card or when the door is open, "PLEASE CLOSE THE DOOR TO OPERATE".
 - When no media card is inserted "NO MEDIA DETECTED"
 - When no files are found on the media card "NO FILE FOUND"

Media Card Viewer

PHOTO



Select PHOTO



Press the Ok button

The right nine images appear.



To select an image that you like



Press the Ok button

The slide show starts.

Notes:

- To stop the slide show, press the BACK button.
- To pause the slide show, press the Ok button. To play again, press the Ok button.
- In thumbnail view, the time to display the images varies depending on the number of files recorded on the card.



Illustration when a CF card is being used

Rotation

When you press the Ok while you are viewing the slide show in PHOTO mode, the image is paused temporarily. Then press ▲▼ while the image is paused, and you can rotate the image.

Notes:

- Although the image has changed because it is rotated, it will not be saved to the media card.
- When rotation is performed, the aspect ratio of the image may change. (The angle of view may also change for some images.)

VIDEO



Select VIDEO



Press the Ok button

The right nine images appear.



To select an image that you like



Press the Ok button

The video show starts.

Notes:

- To stop the video show, press the BACK button.
- The volume can not be changed when these nine images appear.
- In the playback of MPEG4 images, verification has been made for basic playback only.
- In thumbnail view, the time to display the images varies depending on the number of files recorded on the card.



Illustration when a CF card is being used

Media Card Viewer

File playback note for PHOTO and VIDEO

- Some recorded files can result in errors or may not be played back correctly. Sometimes, JPEG, MPEG2, and MPEG4 files downloaded from the Internet or other sources cannot be played back correctly. Images also may not be played back correctly depending on the camera that was used for recording.
- Noise may appear when images change in the slideshow.
- The display order in the slideshow follows alphabetical order of the file names.
- If video, still images, and other files with different extensions are stored in the same folder, start of video playback may be choppy or other playback problems may occur. Storage of different file types in separate folders is recommended.
- When video or still images are recorded by Everio, only video recorded in a compact hard disk can be played back. Video recorded in the SD card cannot be played back.
- After editing images on your PC using the "CyberLink DVD Solution" image editing software supplied with Everio, be sure to change the extension from mpg to mod before playing back with this unit. The audio cannot be played unless the mpg extension is changed. (The extension for images recorded in Everio is mod, but the extension is automatically changed to mpg after editing with "CyberLink DVD Solution".)
- You may not be able to replay audio on some files created or edited with "CyberLink DVD Solution" software (provided with some JVC digital cameras). This will depend upon the way in which the files were created or edited and is not a malfunction of the TV.

FILE



Select FILE



Press the Ok button

The following screen appears.



Illustration of CF file library



Everytime a file is selected in the left frame, the image will appear in the right frame.

Notes:

- To be released from the FILE, press the BACK button.
- The date displayed in the FILE view is the date the images were recorded. The date may not be displayed for some cameras.
- Only the first eight characters of the file name are displayed. Double-byte characters are not supported.
- The display order of thumbnails follows alphabetical order of the folder names and then alphabetical order of the file names in the folders.

Media Card Viewer

Operation Note

Operation of the CH+ and CH- keys is different for slideshows started from the PHOTO/VIDEO icon and for slideshows started from the FILE icon.

- 1) When you select VIDEO icon and play the video, press the following buttons:

CH+ : Fast-Forward

CH- : Rewinding

VOL+ : Up volume

VOL- : Down volume

OK : Pause or Play (Each pressing will switch back and forth)

- 2) When you select FILE icon and play the PHOTO or VIDEO:

While playing PHOTO – You cannot use CH+/CH- and VOL+/-

While playing VIDEO – You cannot use CH+/- . You can change volume by using VOL+/-.

Note: While using the card viewer, do not unplug the television from the AC outlet. It will cause the card to break.

Media Card Viewer

Specifications

1) Supported card media

Card Media	CompactFlash	CF type Microdrive Hard Disk	SD Memory Card	Memory Stick	xD-Picture Card
MPEG2-PS	X	X			
MPEG4	X	X	X	X	X
JPEG	X	X	X	X	X

2) Supported file systems

- (1) FAT16
- (2) FAT32
- (3) VFAT

3) Supported data management standards

- (1) DCF 2.0 (still image)
- (2) SD-Picture (still image)
- (3) SD-Video Entertainment Video Profile (video) compliant
(Video: MPEG2-PS MP/ML, Audio: AC-3 / 48 kHz sampling)
- (4) SD-Video Mobile Video Profile (video) compliant
(Video: MPEG4 Simple profile/ Level 1 restricted to Level 3, Audio: G.726)

4) Supported image file standards and extensions

- (1) Exif 2.21 (Extensions: JPG, jpg, JPEG, jpeg)
- (2) JFIF (Extensions: JPG, jpg)
- (3) SD-Video MPEG2-PS (Extensions: MOD, mod, MPG, mpg, MPEG, mpeg)
- (4) SD-Video ASF MPEG4 (Extensions: ASF, asf)

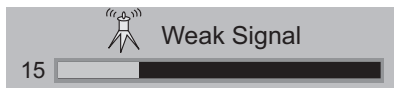
5) Supported image size and rate

- (1) Still images 160×120 to 2560×1920 pixels (The size is automatically adjusted when displayed.)
- (2) Video
 - 1) MPEG2-PS 720×480 pixels (525/60 systems)
352×240 pixels (525/60 systems)
 - 2) MPEG4 352×288 pixels/30 frames
240×176 pixels/15 frames
160×120 pixels/5 frames

OSD Information

Weak Signal

This OSD warning appears when the digital channel that you have selected is too weak to receive or no signal is being detected for that channel.



No Program

If the TV channel you selected, or were watching is not receiving a signal, "NO PROGRAM" appears on the television screen. It appears when that channel is not receiving a signal and you have the Noise Muting function OFF and you have a single screen. It moves automatically every two seconds to prevent the screen from burn-in.

Note:

- Even if "NO PROGRAM" appears on the screen, your timer functions and auto shut off functions that you set, are still active.

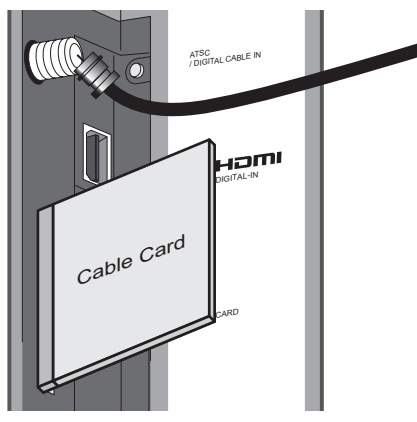
Cable Card Information

Cable card offers information when a cable card is inserted into the CABLE CARD slot on the back of the television.

Notes:

- Please contact your local cable company regarding detailed information.
- When the cable card is inserted into the cable card slot, if you turned the power off, the fan will continue to rotate because the program information is being renewed. This is normal.

Cable Card Connection



Note for inserting Cable Card:

- When you are watching a digital program, and if a weather or government emergency occurs, the following may occur automatically regardless of what channel you were watching: the channel may change, the screen will disappear or important text will appear on the screen. The information is transmitted from EAS (Emergency Alert System), Firmware Upgrade of Cable Card or compulsory HTML.

Troubleshooting

Refer to the table below to check the condition. If you think that there is a problem, contact the JVC Service Center where you purchased the television.

PROBLEMS	CHECK
There is no power	<ul style="list-style-type: none"> • See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	<ul style="list-style-type: none"> • The antenna could be disconnected. • The input mode could be set improperly. See page 61. • The tuner (Auto Tuner Setup) could be set improperly. See page 35. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	<ul style="list-style-type: none"> • Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position. • You may be too far from the TV. You must be within 23 feet (7 meters).
You cannot select a certain channel	<ul style="list-style-type: none"> • Make sure the channels have been programmed. See "Channel Summary", page 36. • Check to see if the channel is locked. See "Channel Summary - Lock" page 37.
The power turns off by itself	<ul style="list-style-type: none"> • Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 58. • Check to see if the Sleep Timer was set. See page 64.
It does not operate correctly	<ul style="list-style-type: none"> • This television is operated by a microprocessor. It is possible that external noise or interference is causing the problem. If the television does not function correctly, remove the electrical plug from the wall outlet and wait a while before inserting it into the wall outlet again and operating the television.
The clock is wrong	<ul style="list-style-type: none"> • The power was interrupted and the clock was not reset. See page 57.
The color quality is poor	<ul style="list-style-type: none"> • Tint and Color may be improperly adjusted. See page 53. • The Video Status mode may be turned to the wrong setting. See page 63.
There are lines across the picture	<ul style="list-style-type: none"> • There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	<ul style="list-style-type: none"> • There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	<ul style="list-style-type: none"> • A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	<ul style="list-style-type: none"> • Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.
Screen is 80% black	<ul style="list-style-type: none"> • The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 46.
Stereo or bilingual programs can't be heard	<ul style="list-style-type: none"> • Make sure the MTS settings are correct. See page 64.

Troubleshooting

PROBLEMS	CHECK
Static electricity	<ul style="list-style-type: none">• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	<ul style="list-style-type: none">• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.
The AUTO DEMO finished automatically	<ul style="list-style-type: none">• The On Timer that you programmed has started.• The channel that the AUTO DEMO is using is a channel that is blocked by V-Chip.• The Auto Shut Off that you programmed has occurred.
It does not operate correctly	<ul style="list-style-type: none">• Press the CHANNEL- and VOLUME- buttons on the side panel of the TV simultaneously for a few seconds. The Digital Tuner will be reset. If this does not reset it correctly, unplug the power cord and plug it back in.

The following are not malfunctions.

- The television may make a creaking sound if the temperature of the room or the temperature of the inside of the television changes. If there is no problem with the screen or sound, then there is no need to worry.
- Although the picture may be temporarily disturbed and noise may be seen on the screen if the power is turned on immediately after it has been turned off, this is not a malfunction.



LIMITED WARRANTY

COLOR TV 1-1

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")
FOR DIRECT-VIEW COLOR TELEVISION, PICTURE TUBE is covered for Two(2)years.

Parts	1 YEAR	Labor	1 YEAR
-------	--------	-------	--------

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website <http://www.jvc.com>. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.

1700 Valley Road
Wayne, NJ 07470

<http://www.jvc.com>

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : _____

Serial No. : _____

Purchase date : _____

Name of dealer : _____

TO OUR VALUED CUSTOMER —

THANK YOU FOR PURCHASING THIS JVC PRODUCT.
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

**NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?**

JVC[®] IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
<http://www.jvc.com>

Remember to retain your Bill of Sale for Warranty Service.

———— **Do not attempt to service the product yourself** ————

Caution


To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

Specifications

Model	LT-26X776	LT-32X776
Type	LCD Flat Television	
Reception Format	NTSC, BTSC System (Multi-Channel Sound) ATSC Terrestrial, Digital Cable	
Reception Range	VHF 2 to 13, UHF 14 to 69 CATV 135 Sub, Mid, Super, Hyper and Ultra bands (191 channel frequency synthesizer system) <ul style="list-style-type: none"> Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set. 	
Power Source	AC 120V, 60 Hz	
Power Consumption	139W	173W
Screen Size	26 inch / 64.8 cm measured diagonally, 16:9 ratio	32 inch / 80.2 cm measured diagonally, 16:9 ratio
Audio Output	10W + 10W	
Speakers	6.6 cm round x 2	
Antenna Terminal (VHF/UHF, ATSC/DIGITAL CABLE IN)	75 ohms (VHF/UHF)(F-type connector)	
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance	
Component Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms	
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms	
Monitor/Recording Output	Video: 1Vp-p, 75ohms Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms Audio: 250mVrms (-10dBs) Fs-18dB Low Impedance	
Optical Output Digital Audio	Digital Out (optical) x 1	
i.LINK In/Out Jack	TS IN/OUT (4-pin, S400) x 2 IEEE1394 compliant DTCPP digital copy protection compatible	
Digital-In	HDMI jack x 1 Note: The Digital-In terminal is not compatible with picture signals of a personal computer	
Dimensions (inch/cm) W X H X D	27 3/4 x 21 7/8 x 12 1/4 (with stand) 70.3 x 55.3 x 30.9 (with stand)	31 7/8 x 24 3/4 x 12 1/4 (with stand) 80.8 x 62.8 x 30.9 (with stand)
	27 3/4 x 19 1/8 x 4 5/8 (without stand) 70.3 x 48.3 x 11.5 (without stand)	31 7/8 x 22 x 4 5/8 (without stand) 80.8 x 55.9 x 11.6 (without stand)
Weight (lbs / kg)	43.2 / 19.6 (with stand)	44.9 / 20.4 (with stand)
	35.9 / 16.3 (without stand)	37.6 / 17.1 (without stand)
Accessories	Refer to "unpacking your TV", page 9	

Specifications subject to change without notice.

Specifications

Model	LT-37X776	LT-40X776
Type	LCD Flat Television	
Reception Format	NTSC, BTSC System (Multi-Channel Sound) ATSC Terrestrial, Digital Cable	
Reception Range	VHF 2 to 13, UHF 14 to 69 CATV 135 Sub, Mid, Super, Hyper and Ultra bands (191 channel frequency synthesizer system) <ul style="list-style-type: none"> Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set. 	
Power Source	AC 120V, 60 Hz	
Power Consumption	202W	226W
Screen Size	37 inch / 94.9 cm measured diagonally, 16:9 ratio	40 inch / 101.5 cm measured diagonally, 16:9 ratio
Audio Output	10W + 10W	
Speakers	6.6 cm round x 4	
Antenna Terminal (VHF/UHF, ATSC/DIGITAL CABLE IN)	75 ohms (VHF/UHF)(F-type connector)	
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance	
Component Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms	
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms	
Monitor/Recording Output	Video: 1Vp-p, 75ohms Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms Audio: 250mVrms (-10dBs) Fs-18dB Low Impedance	
Optical Output Digital Audio	Digital Out (optical) x 1	
i.LINK In/Out Jack	TS IN/OUT (4-pin, S400) x 2 IEEE1394 compliant DTCPP digital copy protection compatible	
Digital-In	HDMI jack x 1 Note: The Digital-In terminal is not compatible with picture signals of a personal computer	
Readable Cards		SD Card, MMC, CompactFlash, Removable microdrive Hard Disk for JVC digital media camera "Everio" (a type of CF card), Memory Stick, xD-Picture Card
Dimensions (inch/cm) W X H X D	36 1/2 x 27 1/8 x 12 7/8 (with stand) 92.6 x 68.7 x 32.5 (with stand)	39 3/8 x 29 x 12 7/8 (with stand) 100 x 73.4 x 32.5 (with stand)
	36 1/2 x 24 7/8 x 4 3/8 (without stand) 92.6 x 63.2 x 10.9 (without stand)	39 3/8 x 26 1/2 x 4 1/4 (without stand) 100 x 67.1 x 10.6 (without stand)
Weight (lbs / kg)	61.6 / 27 (with stand)	69.3 / 31.5 (with stand)
	47.7 / 21.7 (without stand)	54.3 / 24.8 (without stand)
Accessories	Refer to "unpacking your TV", page 9	

Specifications subject to change without notice.

- The open source software is embedded in this product. For more information, please go to:
http://software.jvc.com/opensource/lnx/DP/04_AtscCC/download.html

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